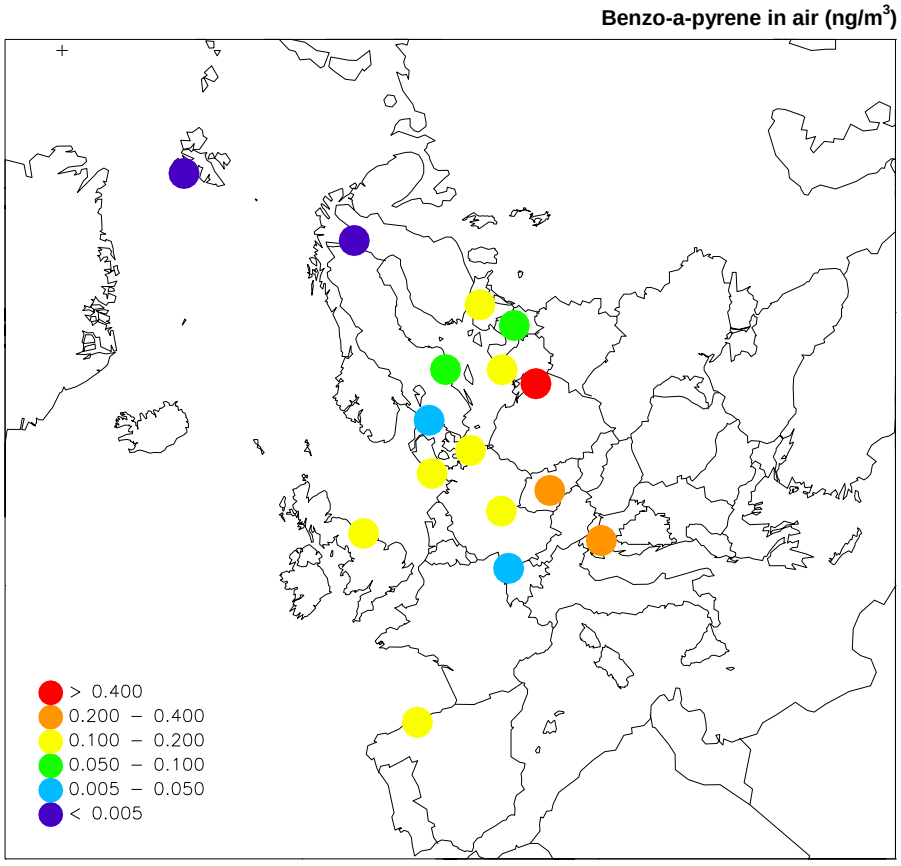
EMEP/CCC-Report 3/2010

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

Heavy metals and POP measurements, 2008

Wenche Aas and Knut Breivik



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Contents

Page

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1. Introduction

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

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

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

These recommendations for heavy metals and POPs are implemented in the EMEP monitoring strategy and measurement program for 2004–2009 (ECE.EB.AIR/GE.1/2004/5) and further in 2010–2019 (ECE.EB.AIR/GE.1/2009/15).

So far, thirteen reports have been published (EMEP/CCC-Reports 8/96, 9/97, 7/98, 7/99, 2/2000, 9/2001, 9/2002, 1/2003, 7/2004, 9/2005, 7/2006, 6/2007, 4/2008, 3/2009) which present data on heavy metals and POPs from national and international measurement programmes for the period 1987 to 2007. In this report data from 2008 are presented. All these data are also available from the EMEP's homepage, http://www.nilu.no/projects/ccc/emepdata.html and direct access through the database at http://ebas.nilu.no/.

2. Measurement programme

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

2.1 Monitoring sites for heavy metals

The locations of the measurement sites, which have delivered data on heavy metals for 2008, are found in Figure 1 and Table 1. The sites are divided in those measuring both concentrations in air and in precipitation, and those measuring only one of them. In 2008, there were 35 sites measuring heavy metals in both air

and precipitation, and altogether there were 70 measurement sites. This was 4 more sites than in 2006. In addition, there are 4 Spanish sites with campaign data. There was 26 sites measuring at least one form of mercury (Figure 2), which is an increase of 4 sites from the previous year. 11 sites were measuring mercury in both air and precipitation

The measurement obligations set by the EMEP monitoring strategy (UNECE, 2006, 2009) and the EUs air quality directives (EU, 2004, 2008) have clearly improved the site coverage the last years, though there are still a lack of measurements in some parts of Europe, especially for mercury, Figure 2.

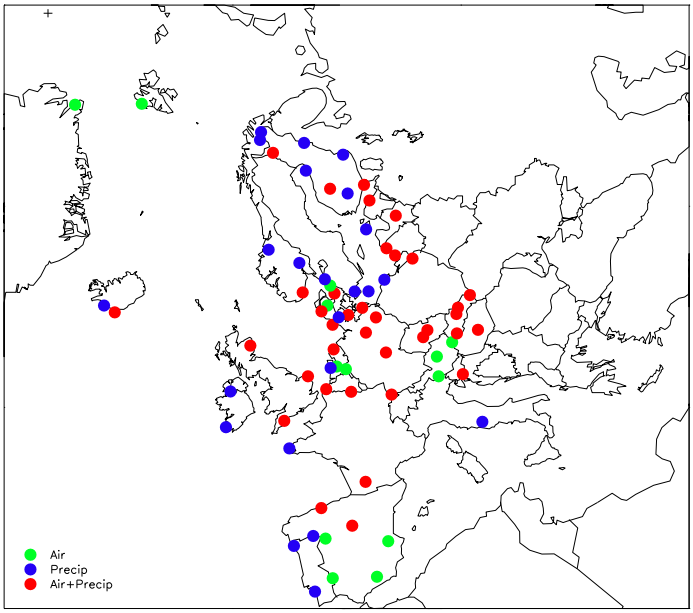

Figure 1: Measurement network of heavy metals, 2008. In addition, Cyprus with air measurements.

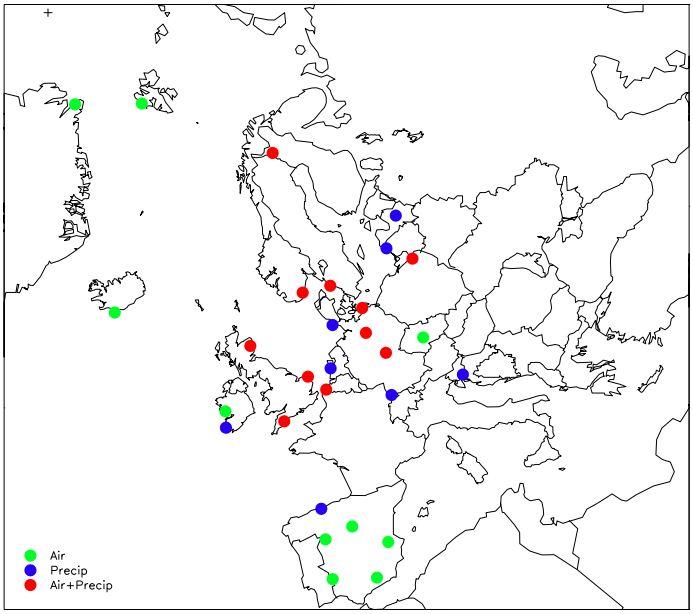

Figure 2: Measurement network of mercury, 2008.

Table 1: Monitoring stations and the sampling program of heavy metals, 2008.

Country	code	Station name	Latitude				Longitude				hosl	Metals in air	Metals in precip
Austria	AT0002R	Illmitz	47	46	0	N	16	46	0	E	117	Cd, Pb, Ni, As	
	AT0005R	Vorhegg	46	40	40	N	12	58	20	E	1020	Cd, Pb, Ni, As	
	AT0048	Zoebelboden	47	50	19	N	14	26	29	E	899	Cd, Pb, Ni, As	
Belgium	BE0014	Koksijde	51	7	15	N	2	39	30	E	4	As, Cd, Cr, Cu,Ni,Pb,Zn,Hg	As,Cd,Cr,Cu,Hg,Ni,Pb,Zn
Cyprus	CY0002R	Ayia Marina	35	2	20	N	33	3	29	E	532	As,Cd,Hg,Pb,Ni	
Czech Republic	CZ0001R	Svratouch	49	44	0	N	16	3	0	E	737	As,Cd,Cu,Pb,Ni,Mn	Cd,Fe,Ni,Pb
	CZ0003R	Kosetice	49	35	0	N	15	5	0	E	534	As,Cd,Cu,Hg,Pb,Ni,Mn	Cd,Fe,Ni,Pb
Germany	DE0001R	Westerland	54	55	32	N	8	18	35	E	12	As,Cd,Cu,Co,Fe,Pb, Mn,Ni,Sb,V	As,Cd,Cu,Cr,Co,Fe,Hg,Pb, Mn,Ni,Se,Sb,Tl,V,Zn
	DE0002R	Langenbrügge	52	48	8	N	10	45	34	E	74	As,Cd,Cu,Co,Fe,Hg,Pb, Mn,Ni,Sb,V,Zn	As,Cd,Cu,Cr,Co,Fe,Hg,Pb, Mn,Ni,Se,Sb,V,Zn
	DE0003R	Schauinsland	47	54	53	N	7	54	31	E	1205	As,Cd,Cu,Co,Fe,Pb, Ni,Sb,V,Zn	As,Cd,Cu,Cr,Co,Fe,Hg,Pb, Mn,Ni,Se,Sb,Tl,V,Zn
	DE0007R	Neuglobsow	53	10	0	N	13	2	0	E	65	As,Cd,Cu,Co,Fe,Pb, Mn,Ni,Sb,V,Zn	As,Cd,Cu,Cr,Co,Fe,Pb, Mn,Ni,Se,Sb,Tl,V,Zn
	DE0008R	Schmücke	50	39	0	N	10	46	0	E	937	As,Cd,Cu,Co,Fe,Hg,Pb, Mn,Ni,Sb,V	As,Cd,Cu,Cr,Co,Fe,Hg,Pb, Mn,Ni,Se,Sb,Tl,V,Zn
	DE0009R	Zingst	54	26	0	N	12	44	0	E	1	As,Cd,Cu,Co,Hg,Fe,Pb, Mn,Ni,Sb,V,Zn	As,Cd,Cu,Cr,Co,Fe,Hg,Pb, Mn,Ni,Se,Sb,Tl,V,Zn
Denmark	DK0003R	Tange	56	21	0	N	9	36	0	E	13	As,Cr,Cu,Fe,Pb,Mn,Ni,Zn	
	DK0005R	Keldsnor	54	44	0	N	10	44	0	E	1	As,Cr,Cu,Fe,Pb,Mn,Ni,Zn	As,Cd,Cr,Cu,Pb,Ni,Zn
	DK0008R	Anholt	56	43	0	N	11	31	0	E	40	As,Cr,Cu,Fe,Pb,Mn,Ni,Zn	As,Cd,Cr,Cu,Pb,Ni,Zn
	DK0010G	Nord, Greenland	81	36	0	N	16	40	12	W	20	Al,As,Cr,Cu,Pb,Fe,Mn,Ni,Se,Zn,Hg	
	DK0020R	Pedersker	55	1	1	N	14	56	45	E	5		As,Cd,Cr,Cu,Pb,Ni,Zn
	DK0022R	Sepstrup Sande	55	5	0	N	9	36	0	E	60		As,Cd,Cr,Cu,Pb,Ni,Zn
	DK0031R	Ulborg	56	17	0	N	8	26	0	E	10	As,Cr,Cu,Fe,Pb,Mn,Ni,Zn	As,Cd,Cr,Cu,Pb,Ni,Zn
Estonia	EE0009R	Lahemaa	59	30	0	N	25	54	0	E	32	Cd,Cr,Pb,Ni,Hg	As,Cd,Cu,Pb,Zn, Hg, Cr, Ni
	EE0011R	Vilsandy	58	23	0	N	21	49	0	E	6		Cd,Cu,Pb,Zn
Spain	ES0007R	Víznar	37	14	0	N	3	32	0	W	1265		As,Cd,Cr,Cu,Hg,Pb,Ni,Zn (campaign)
	ES0008R	Niembro	43	26	32	N	4	51	1	W	134	As,Cd,Cr,Cu,Pb,Ni,Zn	As,Cd,Cu,Cr,Pb,Ni,Zn
	ES0009R	Campisabalos	41	16	52	N	3	8	34	W	1360	As,Cd,Cr,Cu,Pb,Ni,Zn	As,Cd,Cr,Cu,Hg,Pb,Ni,Zn
	ES0011R	Barcarrola	38	28	33	N	6	55	22	W	393		As,Cd,Cr,Cu,Hg,Pb,Ni,Zn (campaign)
	ES0012R	Zarra	39	5	10	N	1	6	7	W	885		As,Cd,Cr,Cu,Hg,Pb,Ni,Zn (campaign)
	ES0013R	Penausende	41	17	0	N	5	52	0	W	985		As,Cd,Cr,Cu,Hg,Pb,Ni,Zn (campaign)
Finland	FI0008R	Kevo	69	45	25	N	27	0	41	E	80		Al,As,Cd,Cr,Cu,Fe,Pb,Mn,Ni,V,Zn
	FI0017R	Virolahti II	60	31	34	N	27	40	17	E	8	Al,As,Cd,Cr,Co,Cu,Fe,Pb,Mn,Ni,V,Zn	Al,As,Cd,Cr,Cu,Fe,Pb,Mn,Ni,V,Zn
	FI0022R	Oulanka	66	19	13	N	29	23	59	E	310		Al,As,Cd,Cr,Cu,Fe,Pb,Mn,Ni,V,Zn
	FI0036R	Pallas/Matarova	68	0	0	N	24	14	23	E	340	Al,As,Cd,Cr,Co,Cu,Fe,Pb,Mn,Ni,V,Zn	Al,As,Cd,Cr,Cu,Fe,Hg,Pb,Mn,Ni,V,Zn
	FI0037R	Ähtäri II	62	35	19	N	24	11	31	E	180	Al,As,Cd,Cr,Co,Cu,Fe,Pb,Mn,Ni,V,Zn	
	FI0053R	Hailuoto II	64	59	52	N	24	40	57	E	4		Al,As,Cd,Cr,Cu,Fe,Pb,Mn,Ni,V,Zn
	FI0092R	Hietajarvi	63	10	6	N	30	42	40	E	173		Al,As,Cd,Cr,Cu,Fe,Pb,Mn,Ni,V,Zn
	FI0093R	Kotinen	61	14	21	N	25	3	55	E	158		Al,As,Cd,Cr,Cu,Fe,Pb,Mn,Ni,V,Zn
	FI0096R	Pallas/Sammaltunturi	67	58	25	N	24	6	55	E	566	Hg	

Table 1, cont.

Country	code	Station name	Latitude				Longitude				hosl	Metals in air	Metals in precip
France	FR0009R	Revin	49	54	0	N	4	38	0	E	390	As,Cd,Cr,Cu,Pb,Ni,Zn (from 1st July)	As,Cd,Cu,Cr,Ni,Pb,Zn (from 1st July)
	FR0013R	Peyrusse Vieille	43	37	0	N	0	11	0	E	200	As,Cd,Cr,Cu,Hg,Pb,Ni,Zn	As,Cd,Cu,Cr,Ni,Pb,Zn
	FR0090R	Porspoder	48	31	0	N	4	45	0	W	50		As,Cd,Cu,Cr,Ni,Pb
Great Britain	GB0006R	Lough Navar	54	26	35	N	7	52	12	W	126		As,Cd,Cr,Cu,Pb,Ni,Zn
	GB0013R	Yarner Wood	50	35	47	N	3	42	47	W	11	As,Cd,Cr,Cu,Hg,Pb,Ni,Zn	As,Cd,Cr,Cu,Pb,Ni,Zn
	GB0017R	Heigham Holmes	54	45	14	N	1	38	22	W	267	As,Cd,Cr,Cu,Hg,Pb,Ni,Zn	As,Cd,Cr,Cu,Pb,Ni,Zn
	GB0091R	Banchory	57	5	0	N	2	32	0	W	120	As,Cd,Cr,Cu,Hg,Pb,Ni,Zn	As,Cd,Cr,Cu,Hg,Pb,Ni,Zn
Hungary	HU0002R	K-puszta	46	58	0	N	19	35	0	E	125	Pb,Cd (until 24 October)	Pb, Cd
Ireland	IE0001R	Valentina Obs.	51	56	23	N	10	14	40	W	11		Al,As,Cd,Cr,Cu,Pb,Mn,Hg,Ni,V,Zn
	IE0031R	Mace head	53	10	0	N	9	30	0	W	15	Hg	
Island	IS0090R	Reykjavik	64	8	0	N	21	54	0	W	52		Al,As,Cd,Cr,Cu,Fe,Pb,Mn,Ni,V,Zn
	IS0091R	Storhofdi	63	24	0	N	20	17	0	W	118	Al,As,Cd,Cr,Cu,Fe,Pb,Mn,Hg, Ni,V,Zn	Al,As,Cd,Cr,Cu,Fe,Pb,Mn,Ni,V,Zn
Italy	IT0001R	Montelibretti	42	6	0	N	12	38	0	E	48		Cd,Cu,Pb,Zn
Latvia	LV0010R	Rucava	56	9	43	N	21	10	23	E	18	As,Cd,Cu,Cr,Pb,Ni,Zn, Mn	As,Cd,Cr,Cu,Hg,Pb,Mn,Ni,Zn
	LV0016R	Zoseni	57	8	7	N	25	54	20	E	188	As,Cd,Cu,Cr,Pb,Ni,Zn, Mn	As,Cd,Cr,Cu,Hg,Pb,Mn,Ni,Zn
Lithuania	LT0015R	Preila	55	21	0	N	21	4	0	E	5	As,Cd,Cu,Cr,Pb,Ni,Zn	As,Cd,Cu,Cr,Pb,Ni,Zn
Netherlands	NL0008R	Bilthoven	52	7	0	N	5	12	0	E	5	As,Cd,Pb,Ni,Zn	
	NL0009R	Kollumerwaard	53	20	2	N	6	16	38	E	1	As,Cd,Pb,Ni,Zn	As,Cd,Cr,Cu,Pb,Ni,Zn
	NL0010R	Vredepeel	51	32	28	N	5	51	13	E	28	As,Cd,Pb,Ni,Zn (from sept)	
	NL0091R	De Zilk	52	18	0	N	4	30	0	E	4		As,Cd,Cr,Cu,Pb,Ni,Zn,Hg
Norway	NO0001R	Birkenes	58	23	0	N	8	15	0	E	190	As,Cd,Cr,Co,Cu,Pb,Hg,Ni,V,Zn	As,Cd,Cr,Co,Cu,Pb,Hg,Ni,V,Zn
	NO0039R	Kårvatn	62	47	0	N	8	53	0	E	210		Cd,Pb,Zn
	NO0042G	Zeppelin	78	54	0	N	11	53	0	E	474	As,Cd,Cr,Co,Cu,Pb,Mn,Hg,Ni,V,Zn	
	NO0055R	Karasjok	69	28	0	N	25	13	0	E	333		Cd,Pb,Zn
	NO0056R	Hurdal	60	22	0	N	11	4	0	E	300		Cd,Pb,Zn
Poland	PL0004R	Leba	54	45	13	N	17	32	5	E	2		Cd,Cr,Cu,Pb,Ni,Zn
	PL0005R	Diabla Gora	54	9	0	N	22	4	0	E	157	As,Cd,Cr,Cu,Pb,Hg,Ni,Zn	As,Cd,Cr,Cu,Pb,Hg,Ni,Zn
Portugal	PT0001R	Braganca	41	48	0	N	6	43	58	W	690		Cd,Cu,Pb,Mn,Ni, Zn
	PT0003R	Viana do Castelo	41	42	0	N	8	48	0	W	16		Cd,Cu,Pb,Mn,Ni,Zn
	PT0004R	Monte Velho	38	5	0	N	8	48	0	W	43		Cd,Cu,Pb,Mn,Ni,Zn
	PT0010R	Angra do Heroismo	38	40	0	N	27	13	0	W	74		Cd,Cu,Pb,Mn,Ni,Zn
	SE0014R	Råö	57	23	0	N	11	53	0	E	10	As,Cd,Pb,Hg,Ni	Hg
	SE0051R	Arup	55	45	0	N	13	40	0	E	157		As,Cd,Cr,Co,Cu,Pb,Mn,Ni,V,Zn
	SE0097R	Gårdsjön	58	3	0	N	12	1	0	E	126		As,Cd,Cr,Co,Cu,Pb,Mn,Ni,V,Zn
Slovenia	SI0008R	Iskrba	45	34	0	N	14	52	0	E	520	As,Cd,Pb,Ni	As,Cd,Cr,Cu,Hg,Pb,Ni,Zn
Slovakia	SK0002R	Chopok	48	56	0	N	19	35	0	E	2008	As,Cd,Cr,Cu,Pb,Ni,Zn	As,Cd,Cr,Cu,Pb,Ni,Zn
	SK0004R	Stará Lesná	49	9	0	N	20	17	0	E	808	As,Cd,Cr,Cu,Pb,Ni,Zn	As,Cd,Cr,Cu,Pb,Ni,Zn
	SK0006R	Starina	49	3	0	N	22	16	0	E	345	As,Cd,Cr,Cu,Pb,Ni,Zn	As,Cd,Cr,Cu,Pb,Ni,Zn
	SK0007R	Topolniky	47	57	36	N	17	51	38	E	113	As,Cd,Cr,Cu,Pb,Ni,Zn	As,Cd,Cr,Cu,Pb,Ni,Zn

2.2 Monitoring sites for POPs

The locations of the measurement sites, which have delivered POPs for 2008, are shown in Figure 3 and Table 2. In 2008 there were 12 sites measuring POPs in both compartments, and altogether there were 20 measurement sites, which is three more than in 2007. Furthermore there are five sites in Spain delivering campaign data. Most of the additional measurements are PAH and more specifically benzo[a]pyrene which is required to monitor in accordance to the EUs air quality directives (EU, 2004, 2008).

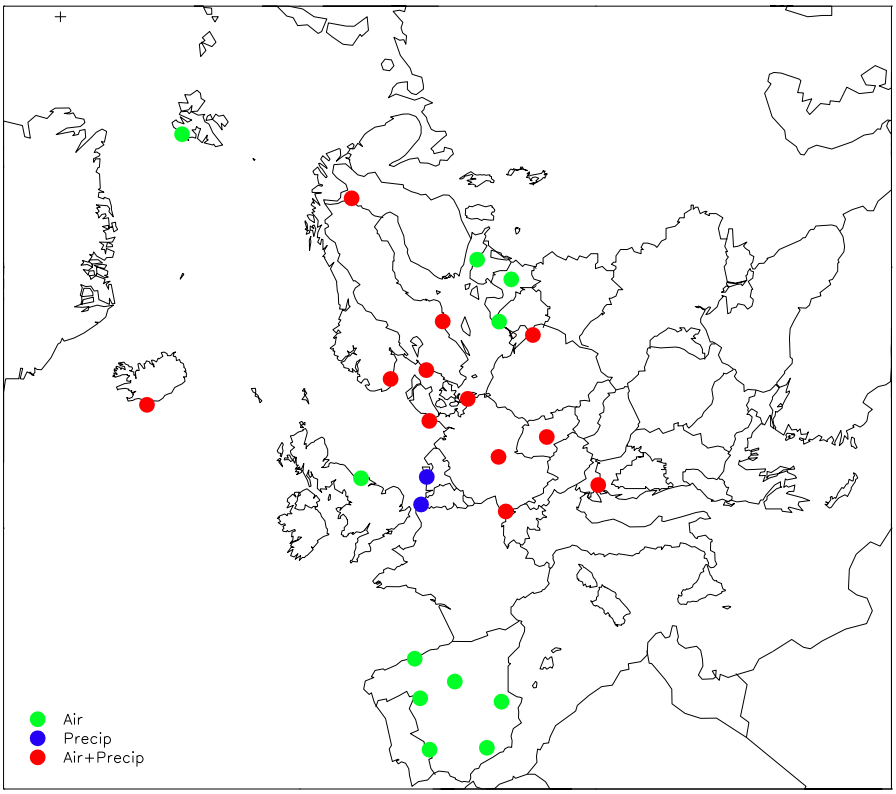

Figure 3: Monitoring network of POPs in EMEP, 2008.

2.3 Sampling and analytical techniques

A brief summary of the sampling and analytical techniques used for the 2008-data are given in Table 3 and Table 4 for POPs and heavy metals, respectively.

Table 2: Monitoring stations and their sampling program of POP, 2008.

Country	Code	Name	Latitude				Longitude				hasl	POPs in air and aerosol	POPs in precipitation
Belgium	BE0014R	Koksijde	51	7	15	N	2	39	30	E	4		Pesticides, HCHs
Czech rep.	CZ0003R	Kosetice	49	35	0	N	15	5	0	E	534	PAHs, PCBs, pesticides, HCHs	PAHs, PCBs, pesticides, HCH
Germany	DE0001R	Westerland	54	55	32	N	8	18	35	E	12	PAHs	PAHs, PCBs, pesticides, HCB, HCHs
	DE0003R	Schauinsland	47	54	53	N	7	54	31	E	1205	PAHs	PAHs, PCBs, pesticides, HCB, HCHs
	DE0008R	Schmücke	50	39	0	N	10	46	0	E	937	PAHs	PAHs, PCBs, pesticides, HCB, HCHs
	DE0009R	Zingst	54	26	0	N	12	44	0	E	1	PAHs	PAHs, PCBs, pesticides, HCB, HCHs
Estonia	EE0009R	Lahemaa	59	30	0	N	25	54	0	E	32	PAH (Benzo[a]pyrene)	
Spain	ES0007R	Víznar	37	14	0	N	3	32	0	W	1265	PAHs (campaign)	PAH (campaign – total dep.)
	ES0008	Niembro	43	26	32	N	4	51	1	W	134	PAHs	
	ES0009R	Campisabalos	41	16	52	N	3	8	34	W	1360	PAHs (campaign)	PAH (campaign – total dep.)
	ES0011R	Barcarrola	38	28	33	N	6	55	22	W	393	PAHs (campaign)	PAH (campaign – total dep.)
	ES0012R	Zarra	39	5	10	N	1	6	7	W	885	PAHs (campaign)	PAH (campaign – total dep.)
	ES0013R	Penausende	41	17	0	N	5	52	0	W	985	PAHs (campaign)	PAH (campaign – total dep.)
Finland	FI0036R	Pallas/Matoro	68	0	0	N	24	14	23	E	340	PAHs, PCBs, pesticides, HCHs	PAHs, PCBs, HCHs (total dep.)
Great Britain	GB0014	High Muffles	54	20	4	N	0	48	27	W	267	PAHs, PCBs	
Island	IS0091R	Storhofdi	63	24	0	N	20	17	0	W	118	PCBs, pesticides, HCB, HCHs	PCBs, pesticides, HCB, HCHs
Latvia	LV0010R	Rucava	56	9	43	N	21	10	23	E	18	PAH (Benzo[a]pyrene)	
	LV0016R	Zoseni	57	8	7	N	25	54	20	E	188	PAH (Benzo[a]pyrene)	
Netherlands	NL0091R	De Zilk	52	18	0	N	4	30	0	E	4		gHCH
Norway	NO0042G	Spitsbergen	78	54	0	N	11	53	0	E	474	PAHs, PCBs, pesticides, HCHs, HCB	
	NO0001R	Birkenes	58	23	0	N	8	15	0	E	190	PCB, HCB, HCHs (PAHs from May)	PCBs, HCB, HCHs
Poland	PL0005R	Diabla Gora	54	9	0	N	22	4	0	E	157	PAHs	PAHs
Sweden	SE0012R	Aspvreten	58	48	0	N	17	23	0	E	20	PAHs, PCBs, pesticides	PAHs, PCBs, HCHs (total dep.)
	SE0014R	Råö	57	23	38	N	11	55	50	E	5	PAHs, PCBs, pesticides	PAHs, PCBs, HCHs (total dep.)
Slovenia	SI0008R	Iskrba	45	34	0	N	14	52	0	E	520	PAHs	PAHs (total dep.)

Table 3: Measurement methods for POPs, 2008.

Country	Precipitation		Air and aerosols		Laboratory method
	Sampling method	**Frequency**	**Sampling method**	**Frequency**	
Belgium	wet only	Monthly			Dual column GC-ECD
Czech rep.	wet only	Daily	HV-GRASEBY,PUR-foam 300-400m^3/day	1d a week	HPLC, GC-MS
Germany	wet only precip. + dry dep.	Monthly	High vol	monthly	GC-MS
Spain	bulk – campaign	1 month	PM10, High vol	24h, once every 8 days	GC-MS
Estonia			High vol	weekly	GC-MS
Finland	Bulk (precip + dry dep)	1 w a month	High vol.	1 w a month	HPLC, 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-ECD
Latvia			Whatman GF filter	Monthly	GC-MS
Netherlands	bulk	4 weekly			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
Poland	bulk, funnel and bottle of glass	weekly sampling, monthly analysis	High vol., quartz filter, 750 m^3/day	24 hours sampling weekly analysis	HPLC
Sweden	Bulk (precip + dry dep)	monthly	High vol.	SE14 biweekly, SE12: 1 w a month	HPLC, GC-MS
Slovenia	Bulk (precip + dry dep)	weekly	PM10, Low vol	24h (every 2nd day)	GC-MS

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

Table 4: Measurement methods for heavy metals, 2008.

Country	Precipitation		Air and aerosols		Laboratory method	Participate in EMEP lab. Intercomp.[1]
	Field method	Frequency	Field method	Frequency		
Austria			High Volume Sampler, quartz fibre filters with organic binder, 720 m^3/day	24h every 6th day	As, Ni, Cd, Pb:microwave digestion (HNO_3/H_2O_2), ICP-MS EN 14902 modified	yes
Belgium	wet only	weekly	10W volume sampler	daily	ICP-MS	yes
Hg	wet only	weekly	absorbing tubes (TPM)	daily	CV-AFS	
Cyprus			PM_{10} low volume sampler	daily	ICP-OES	No
Czech Republic	Bulk	Weekly	Filter-1pack	every 2nd day	Precipitation:GF-AAS; Zn,Fe: F-AAS, Air: ICP-MS	yes
Germany	wet only	Weekly	Low volume sampler	weekly	ICP-MS	yes
Hg	wet only	Weekly	TGM:gold trap	daily	CV-AFS	
Denmark	Bulk	Monthly	Low volume sampler, Millipore RAWP 1.2 mm, 58 m^3/day	daily	Precip: GF-AAS , Aerosols: PIXE	yes
Hg			TGM: monitor (Tekran)	continously		
Estonia	Bulk	EE0009R daily EE0011R weekly		weekly	GF-AAS, Zn: F-AAS	yes
Spain	wet only	Weekly	High-vol, PM_{10}	24h a week	ICP-MS (aerosol) GF-AAS for precip	no
	bulk (total dep)	1 month (campaign)				
Finland	Bulk	Monthly	PM_{10}, Teflon, Millipore, Fluoropore, 3 µm, 20 l/min	FI17: 2+2+3 days, FI36 and FI37: weekly	ICP-MS	yes
Hg	Bulk	Monthly	Hg: gold traps (TGM)	2 X 24 h a week	CV-AFS	
			Hg: mini traps (TPM)	weekly	CV-AFS	
France	wet only	biweekly	low volume sampler	biweekly	ICP MS	yes
FR90	Bulk	Monthly			GF-AAS	yes
Great Britain	Bulk	GB06,17: monthly GB13,91: weekly	PM_{10}, low volume sampler	weekly	ICP-MS	yes
Hungary	wet only	monthly	filter_1pack	3 day samples	GF-AAS	yes
Ireland	Bulk	Monthly	TGM: monitor (Tekran)	continously	ICP-MS	no
Iceland	Bulk	Weekly	High vol.	Biweekly	ICP-MS	(yes)[2]
Hg			High vol.	Biweekly	CV-AAS	
Italy	wet only	daily			polarography	yes
Latvia	Bulk	Weekly	Filter-1pack	Weekly	ICP-MS	yes
Lithuania	Bulk	Weekly	Filter-1pack	Weekly	GF-AAS, Zn: F-AAS	no
Netherlands	Wet-only	4 weekly	Low volume sampler	24h every 2 days	ICP-MS	yes
Hg	Wet-only	Weekly			CV-AFS	
Norway	Bulk	Weekly	NO42: High Vol, 20 l/h, W41	48h a week	ICP-MS	yes
			NO01: PM_{10} KFG 2,3 l/h, quartz	Weekly		
Hg	Bulk (Hg)	Monthly	TGM: monitor (Tekran)	continously	CV-AFS	

Table 4, cont.

Country	Precipitation		Air and aerosols		Laboratory method	Participate in EMEP lab. Intercomp.[1]
	Field method	Frequency	Field method	Frequency		
Poland, PL04	Wet-only	Biweekly			GF-AAS, Zn: F-AAS	Yes
Poland PL05	Wet-only	Weekly	PM_{10} High vol, quartz filter	weekly (bulked 24h)	GF-AAS	yes
Hg	Bulk (Hg)	Weekly	Hg: gold traps (TGM)	24h a week	AAS-AMAanalyzer	
Portugal	PT10: Wet-only, PT01,03,04: bulk	Weekly Daily			GF-AAS, Zn: F-AAS	yes
Sweden	Bulk	Monthly	Low volume sampler, teflon filter	monthly	ICP-MS	(yes)[2]
Hg	Bulk (Hg)	Monthly	Hg: gold traps (TGM)	2 X 24 h a week	CV-AFS	
			Hg: mini traps (TPM)	2 X 24 h a week	CV-AFS	
Slovenia	bulk	weekly	Low volume, PM_{10}, quartz filters	24 h every 2 days	ICP-MS	no
Hg	wet only (Hg)	2 weeks	Hg: gold traps (Mercury Ultratracer)	continously	Precip: LCD-AAS, Aerosol: AAS	
Slovakia	Wet-only: SK04, SK06, SK07. Bulk: SK02	Monthly	SK02. TSP Filter-1pack, Nitrocellulose filters Sartorius 47m: 24-37 m^3/day. SK04, SK06, SK07; 24 m^3/day PM_{10}/Partisol R&P.	Weekly	Precipitation:GF-AAS; Zn: F-AAS, As: MHS; Air: ICP-MS	yes

[1] Countries participated in the intercomparison in 2007 (Uggerud et al., 2008)
[2] Samples shipped to NILU, Norway for analysis

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

3. Presentation of the measurement data

3.1 Heavy metal concentrations over Europe

The annual concentrations of heavy metals in air and precipitation are found in Table 5 and Table 6. Maps illustrating the annual averages of Pb, Cd and Hg from the 2008 precipitation and air data are presented in Figure 4–Figure 9. An increasing gradient can in general be seen southeast, but the concentration levels are not evenly distributed, there are some "hotspots" for some elements. The highest concentrations of are generally seen in Hungary, Slovakia and the Czech Republic. Elevated levels are also in Poland, Lithuania, and in the Benelux countries. The annual mean concentrations in precipitation have been calculated from daily, weekly or monthly reported values as precipitation-weighted averages. When discussing the regional distribution of the concentration fields, it should be noticed that few countries in Southern- and Eastern Europe have reported data for heavy metals in precipitation or in air.

For heavy metal measurements there are two major problems with the data. Firstly, the detection limit for the method is not always adequate for the respective sampling site, and the data coverage is also in general much poorer than e.g. for main components. In the EMEP data quality objectives (EMEP/CCC, 1996) it says that the data completeness should be 90%; in addition, 75% of the data should be above the detection limit. As seen in Annex 1 and Annex 2, these two criteria are often not met. However, several countries analyse heavy metals in air on one or two samples weekly from daily aerosol samples. This will give poor data completeness, but the seasonal distribution and data coverage is anyhow satisfactory and the estimate of the annual average is probably reasonable.

Most of the Portuguese and Irish heavy metal measurements in precipitation have a high detection limits and these data are regarded as very uncertain. In Norway, Denmark and Sweden the concentration levels are relatively low, and generally a high percentage of these data in both air and precipitation are also below the detection limits. Annual averages based on data where 50% is below detection limit is marked in italic in Table 5 and Table 6.

3.1.1 Lead in precipitation

Precipitation data from Portugal, Estonia and Ireland should be looked as upper limits because most of the data are below the detection limits.

The highest concentrations are seen in the highest levels are observed in Spain and Hungary.. The lowest concentrations of Pb during 2008 are found in the Nordic countries and in Great Britain (Figure 4 and Table 5).

3.1.2 Cadmium in precipitation

The lowest cadmium levels are seen in the Nordic countries and Great Britain (Figure 5). An increasing gradient can be seen southeast. An extremely high annual concentration of cadmium in precipitation (2.4 ng/l) is seen at IT01, which most likely must be due to local influence from sources in the Rome area or contamination at the site. Except that site, the highest cadmium concentrations in precipitation are seen in Hungary, Czech Republic and Slovakia, The cadmium

precipitation measurements in Portugal are not included in Figure 5 due to very high detection limits (0.85 μg/l).

3.1.3 Mercury in precipitation

Only a few stations are measuring mercury in precipitation in Europe, and most of them are related to the OSPARCOM programme. The Irish station has too high detection limits and these measurements are not really useful for EMEP. The concentrations of mercury at the different sites are decreasing from north to south, highest level in Poland and Lithuania, though the detection limit and methodology at these sites may be questionable.

3.1.4 Lead in aerosols

Figure 7 presents the annual averages of Pb in air in 2008. The lowest concentrations (below 1.0 ng Pb/m^3) can be seen in the arctic sites. Concentration maxima are seen in Slovakia and Belgium with concentrations above 10 ng Pb/m^3.

3.1.5 Cadmium in aerosols

Cadmium in aerosols is presented in Figure 8. The lowest concentrations (below 0.05 ng Cd/m^3) are reported from the the arctic sites. An increasing gradient can be seen south-eastward. The highest cadmium concentrations are observed in Slovakia, Belgium and Austria with annual average above 0.2 ng Cd/m^3, except at Chopok (SK02) which observe very low cadmium level (0.04 ng Cd/m^3), this is due to the high altitude location at more than 2000 m.a.s.l.

3.1.6 Mercury in air

The spatial distribution of elemental mercury in air are not following a general pattern where the highest annual average is seen in Norway (1.71 ng/m^3), and lowest in Poland, Great Britain and Northern Finland. The concentrations at GB91 are half the level compared to the general average, but it is not clear the reason for this. For Mercury in aerosol the concentrations are even more scattered and incomparable, however particulate mercury is difficult to measure and most probably the methodology used are not directly comparable. For mercury in precipitation the level is highest in Poland.

Table 5: Annual average concentration of heavy metals in precipitation in 2008 (μg/l, Hg in ng/l).

Code	Pb	Cd	Zn	Hg	Ni	As	Cu	Co	Cr	Mn	V	Fe	mm (HM)	mm Hg
BE0014R	1.73	0.048	19	11.2	*0.48*	*0.26*	7.13	-	*1.02*	-	-	-	587	595
CZ0001R	1.99	0.085	23	-	*1.54*	-	-	-	-	-	-	59	691	
CZ0003R	1.03	0.097	24	-	*0.81*	-	-	-	-	-	-	89	506	
DE0001R	0.53	0.019	5	6.3	0.24	0.08	1.36	0.01	0.10	2.40	0.43	7	850	850
DE0002R	3.29	0.018	-	9.2	0.23	0.06	3.63	0.01	0.07	4.09	0.26	14	655	668
DE0003R	0.43	0.015	4	8.0	0.14	0.04	0.87	0.02	0.07	1.26	0.18	10	1608	1618
DE0007R	0.81	0.029	6	-	0.31	0.08	1.15	0.02	0.09	4.99	0.31	11	491	
DE0008R	0.78	0.025	11	8.6	0.47	0.08	1.83	0.02	0.24	2.61	0.23	12	1117	1194
DE0009R	0.81	0.033	8	6.9	0.34	0.09	2.75	0.02	0.11	5.86	0.48	13	533	587
DK0005R		0.04		-	0.95	0.17	1.71	-		-	-	-	426	
DK0008R	0.76	0.025	10	-	0.28	0.20	1.18	-	0.19	-	-	-	635	
DK0020R				-				-		-	-	-	607	
DK0022R	0.88	0.024	5	-	0.21	0.10	1.05	-	0.14	-	-	-	849	
DK0031R	0.51	0.016	5	-	0.17	0.07	0.45	-	0.08	-	-	-	984	
EE0009R	*0.81*	0.042	*6*	*(50)*	0.68	*0.70*	5.83	-	0.65	-	-	-	881	
EE0011R	1.49	0.126	*13*	-	-	-	*3.98*	-	-	-	-	-	609	
ES0008R	1.48	0.076	63	5.2	40.21	0.10	15.82	-	55.39	-	-	-	1453	1453
ES0009R	4.07	0.158	84	-	2.56	0.15	22.02	-	2.54	-	-	-	580	
FI0008R	0.30	0.032	2	-	0.45	0.07	2.34	0.01	0.10	1.98	0.14	11	343	
FI0017R	1.69	0.074	6	-	0.25	0.20	1.70	0.03	0.21	3.16	0.61	80	635	
FI0022R	0.42	0.059	2	-	0.14	0.08	1.48	0.01	*0.08*	1.22	0.19	9	573	
FI0036R	0.31	0.032	3	-	0.26	0.05	1.42	0.01	*0.07*	1.29	0.18	8	592	
FI0053R	0.65	0.046	6	-	0.18	0.07	1.98	0.04	0.10	2.34	0.43	28	413	
FI0092R	0.95	0.046	3	-	0.16	0.09	1.55	0.01	0.11	1.60	0.30	15	673	
FI0093R	0.82	0.040	4	-	0.50	0.08	1.02	0.01	*0.12*	2.13	0.29	15	791	
FI0096G	-	-	-	7.5	-	-	-	-	-	-	-	-		320
FR0009R	0.43	*0.015*	3.9	-	0.26	*0.02*	0.73	-	*0.04*	-	-	-	496	
FR0013R	0.18	*0.015*	2	-	0.15	*0.02*	0.28	-	*0.08*	-	-	-	790	
FR0090R	0.37	0.041	2	-	0.31	0.24	0.43	-	0.18	-	-	-	1262	
GB0006R	0.11	0.005	1	-	0.07	0.25	0.28	-	0.07	-	-	-	1297	
GB0013R	0.28	0.007	2	6.8	0.17	0.06	1.05	-	*0.04*	-	-	-	1262	1079
GB0017R								-		-	-	-	528	
GB0091R	0.39	0.009	3	4.6	0.17	0.09	0.29	-	0.08	-	-	-	687	613
HU0002R	1.80	0.136	-	-	-	-	-	-	-	-	-	-	556*	
IE0001R	*0.50*	*0.089*	6	*(50)*	*0.50*	*0.50*		-	*0.50*	2.55	*0.50*	-	1674	1674
IS0090R	0.30	0.008	5	-	0.50	0.19	2.08	-	0.33	2.97	*1.53*	178	800	
IS0091R	0.26	0.010	11	-	0.39	0.05	1.00	-	0.21	3.45	0.69	181	1521	
IT0001R		(2.36)	4	-	-	-	4.20	-	-	-	-	-	1178	
LT0015R	2.05	0.071	62.8	-	2.08	0.33	2.97	-	1.43	-	-	-	573	
LV0010R	3.04	*0.063*	17	*(26.21)*	*0.73*	*0.26*	2.19	-	*0.49*	3.94	-	-	932	932
LV0016R	1.05	*0.053*	13	*(22.03)*	*1.00*	*0.24*	1.76	-	*0.22*	*4.56*	-	-	822	822
NL0009R	0.62	*0.021*	3.1	-	*0.22*	*0.1*	0.69	-	*0.32*	-	-	-	867	
NL0091R	0.87	*0.029*	3	10.7	*0.24*	*0.09*	0.80	-	*0.27*	-	-	-	833	769
NO0001R	0.78	*0.025*	3	6.4	0.13	*0.16*	*0.39*	*0.01*	*0.12*	-	0.78	-	1797	1970
NO0039R	*0.10*	*0.005*	1	-	-	-	-	-	-	-	-	-	1417	
NO0055R	0.38	*0.017*	8	-	-	-	-	-	-	-	-	-	372	
NO0056R	0.74	*0.044*	7	-	-	-	-	-	-	-	-	-	1127	
PL0004R	0.78	0.051	8	-	0.14	-	0.99	-	0.07	-	-	-	674	
PL0005R	0.76	0.056	6	42.3	0.61	0.24	1.09	-	0.07	-	-	-	645	592
PT0001R				-		-		-	-		-	-	*552*	
PT0003R				-		-		-	-		-	-	*1157*	
PT0004R	*0.65*	*0.425*		-	*0.78*	-	*0.53*	-	-	*2.55*	-	-	421	
PT0010R	*0.65*	*0.425*		-	*0.78*	-	*0.58*	-	-	*1.66*	-	-	916	
SE0014R	-	-	-	8.6	-	-	-	-	-	-	-	-		718
SE0051R	0.62	0.036	6	-	0.23	0.10	0.65	0.02	0.45	4.69	0.66	-	648	
SE0097R	0.54	0.028	3	-	0.20	0.15	0.48	0.01	0.37	0.95	0.74	-	944	
SI0008R	0.8	*0.022*	2.5		*0.22*	0.1	0.68	-	*0.15*	-	-	-	1520	
SK0002R	3.38	0.086	21	-	0.64	0.17	1.41	-	0.22	-	-	-	1159	
SK0004R	1.83	0.147	12	-	0.55	0.15	2.34	-	0.10	-	-	-	713	
SK0006R	2.12	0.064	10	-	0.60	0.16	1.67	-	0.12	-	-	-	708	
SK0007R	1.29	0.045	12	-	0.84	0.11	3.03	-	0.11	-	-	-	560	

Italic data means that more than 50% of the data is below detection limit
Data in parantheses are not included in the map figure (Fig 4-6)
Grey shades means reported data but data completness less than 70%
* Precipitation amount taken from official rain gauge due to large difference from the heavymetal collector

Table 6: Annual average concentration of heavy metals in air in 2008 (ng/m^3).

Code	Pb	Cd	Zn	Hg (g)	Hg (aerosol)	Ni	As	Cu	Co	Cr	Mn	V	Fe
AT0002R	7.85	0.217	-	-	-	*0.81*	*0.73*	-	-	-	-	-	-
AT0005R	4.93	*0.069*	-	-	-	*0.37*	*0.08*	-	-	-	-	-	-
AT0048R	2.56	*0.047*	-	-	-	*0.43*	*0.12*	-	-	-	-	-	-
BE0014R	11.22	0.374	37	-	2.27	6.11	1.39	10.11	-	5.24	-	-	-
CY0002R	8.35	0.141	-	-	0.30	2.80	0.57	-	-	-	-	-	-
CZ0001R	5.86	0.187	-	-	-	0.43	0.55	1.64	-	-	3.62	-	-
CZ0003R	5.49	0.153	-	1.58	0.01	0.47	0.56	2.06	-	-	5.36	-	-
DE0001R	2.85	0.081	10	-	-	1.53	0.32	1.93	0.06	-	2.37	2.46	74
DE0002R	4.96	0.177	17	1.72	-	-	0.47	2.89	0.12	-	3.90	1.22	132
DE0003R	2.04	0.051	9	-	-	0.38	0.15	1.73	0.04	-	-	0.55	84
DE0007R	5.08	0.145	16	-	-	0.79	0.50	2.12	0.05	-	3.10	1.12	90
DE0008R	3.00	0.088	9	1.77	-	0.38	0.27	1.53	0.03	-	2.16	0.52	73
DE0009R	3.84	0.116	12	1.51	-	2.02	0.38	1.75	0.09	-	2.61	3.16	71
DK0003R	3.00	-	10	-	-	1.07	0.51	1.65	-	*0.51*	4.33	-	123
DK0005R	3.87	-	12	-	-	2.39	0.28	1.64	-	0.50	2.64	-	83
DK0008R	2.55	-	8	-	-	1.57	0.24	0.96	-	*0.30*	1.82	-	50
DK0010G	0.76	-	1		-	0.09	0.07	0.15	-	0.11	0.53	-	21
DK0031R	2.69	-	10	-	-	1.16	0.27	1.05	-	0.31	2.43	-	75
EE0009R	5.64	0.125	-	-	-	2.16	-	-	-	-	-	-	-
ES0008R	6.08	0.100	19	-	-	1.25	0.22	53.06	-	*0.91*	-	-	-
ES0009R	0.82	0.017	4	-		*0.48*	0.09	1.70	-	*0.80*	-	-	-
FI0017R	3.15	0.109	10	-		0.98	0.32	0.87	0.06	0.31	2.24	2.01	85
FI0036R	0.70	0.028	2	1.37	1.26	0.54	0.14	0.45	0.03	0.08	0.40	0.54	16
FI0037R	1.16	0.046	4	-	-	0.58	0.16	0.42	0.04	0.16	1.29	0.54	31
FR0009R				-	-				-		-	-	-
FR0013R	2.96	0.055	9	-	-	0.74	*0.04*	1.65	-	1.63	-	-	-
GB0013R	2.15	0.076	6	-	0.67	0.88	0.39	1.55	-	0.99	-	-	-
GB0017R	5.67	0.115	11		-	1.34	0.60	2.56	-	1.04	-	-	-
GB0091R	1.33	0.036	4	0.86	-	0.19	0.18	0.98	-	0.61	-	-	-
HU0002R	1.07	0.035	-	-	-	-	-	-	-	-	-	-	-
IE0031R	-	-	-	1.57	-	-	-	-	-	-	-	-	-
IS0002	-	-	-	-	-	-	-	-	-	-	-	-	182
IS0091R	1.90	0.082	13	-	2.24	13.91	0.06	1.65	-	14.79	9.30	2.19	634
LT0015R	4.85	0.103	13.3	-	-	0.8	0.32	1.81	-	0.29	-	-	-
LV0010R	5.52	0.253	31	-	-	5.33	0.52	4.88	-	30.06	6.85	-	-
LV0016R	2.85	0.146	13	-	-	8.03	0.28	3.61	-	32.41	7.69	-	-
NL0008R	9.26	0.159	31	-	-	2.06	0.60	-	-	-	-	-	-
NL0009R	6.31	*0.117*	25	-	-	2.46	*0.40*	-	-	-	-	-	-
NL0010R				-	-			-	-	-	-	-	-
NO0001R	0.58	0.026	3	1.73	-	0.41	0.22	0.29	0.01	6.13	-	0.33	-
NO0042G	0.35	0.012	*1.5*	1.57	-	0.07	0.05	0.37	0.01	*0.07*	0.23	0.08	-
PL0005R	5.32	0.152	21	1.46	-	0.65	0.43	4.85	-	0.44	-	-	-
SE0014R	1.55	0.057	-	1.56	7.58	0.98	0.24	-	-	-	-	-	-
SI0008R	3.88	*0.107*	-	-	-	*2.50*	*0.43*	-	-	-	-	-	-
SK0002R	1.33	0.038	4	-	-	0.28	0.11	0.65	-	0.51	-	-	-
SK0004R	5.59	0.160	13	-	-	0.35	0.56	1.71	-	0.36	-	-	-
SK0006R	6.54	0.221	12	-	-	0.51	0.48	1.56	-	0.62	-	-	-
SK0007R	8.81	0.240	18	-	-	0.63	0.83	3.01	-	0.81	-	-	-

Italic data means that more than 50% of the data is below detection limit
Data in parantheses are not included in the map figure (Fig 4-6)
Grey shades means reported data but data completness less than 70%

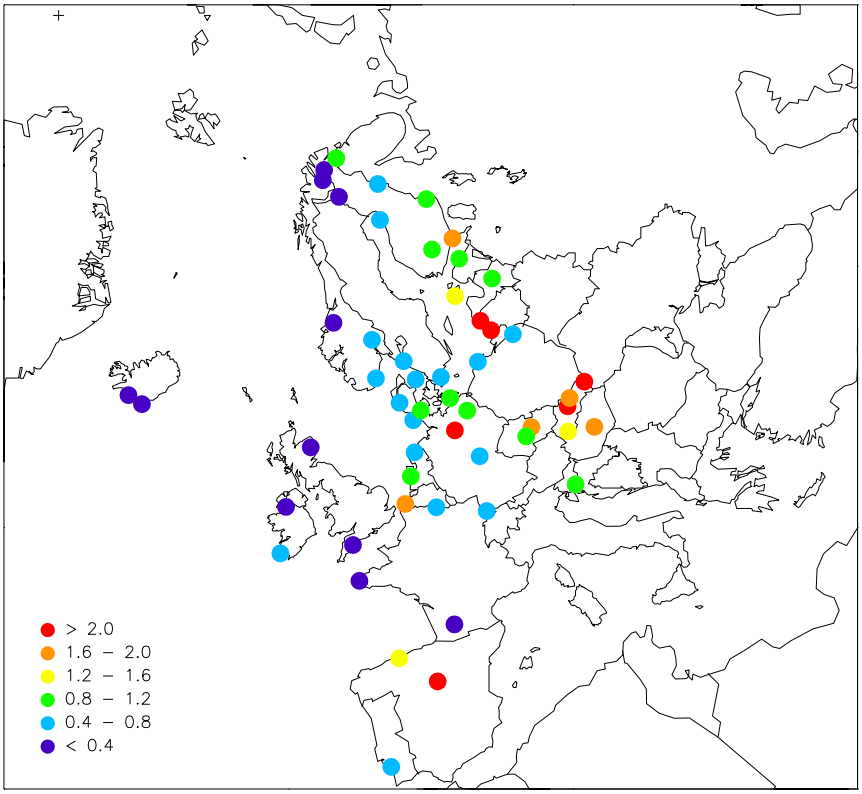

Figure 4: Lead in precipitation, 2008 (µg/l).

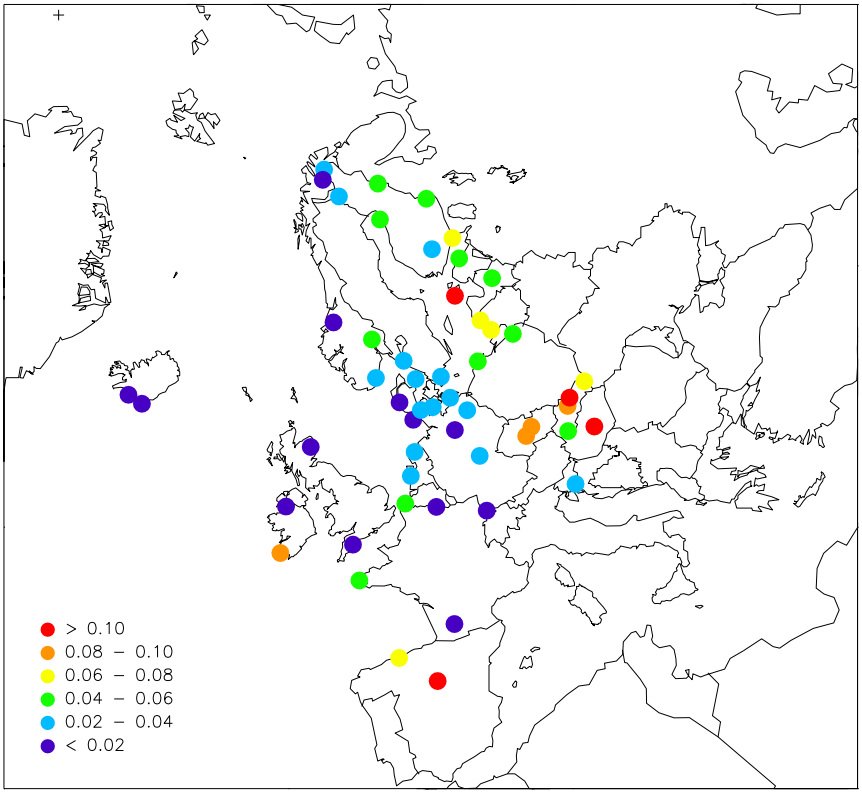

Figure 5: Cadmium in precipitation, 2008 (µg/l).

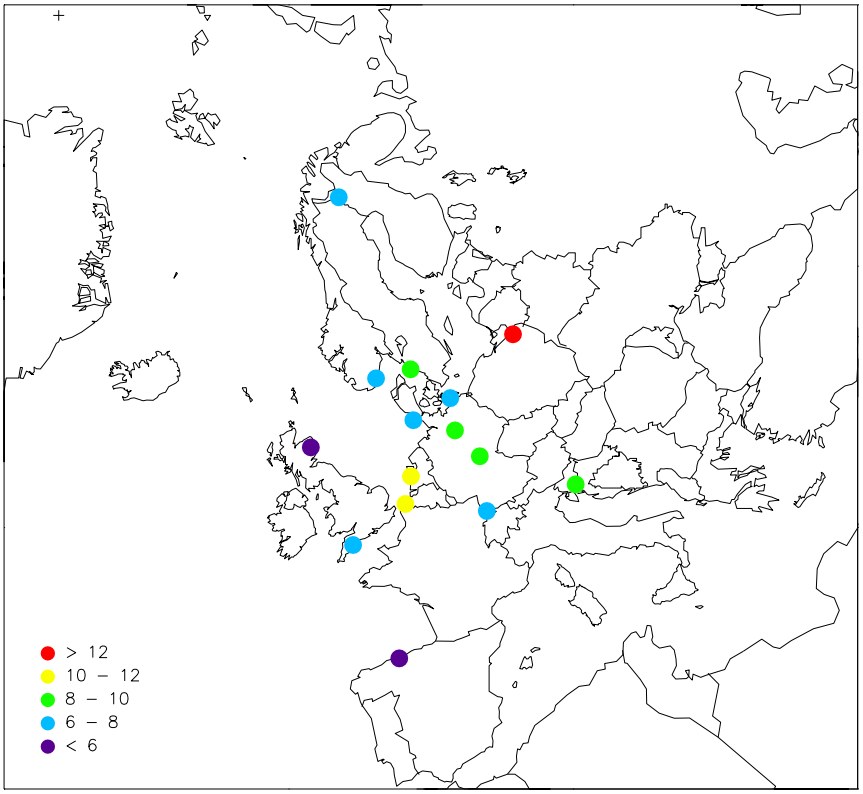

Figure 6: Mercury in precipitation, 2008(ng/l).

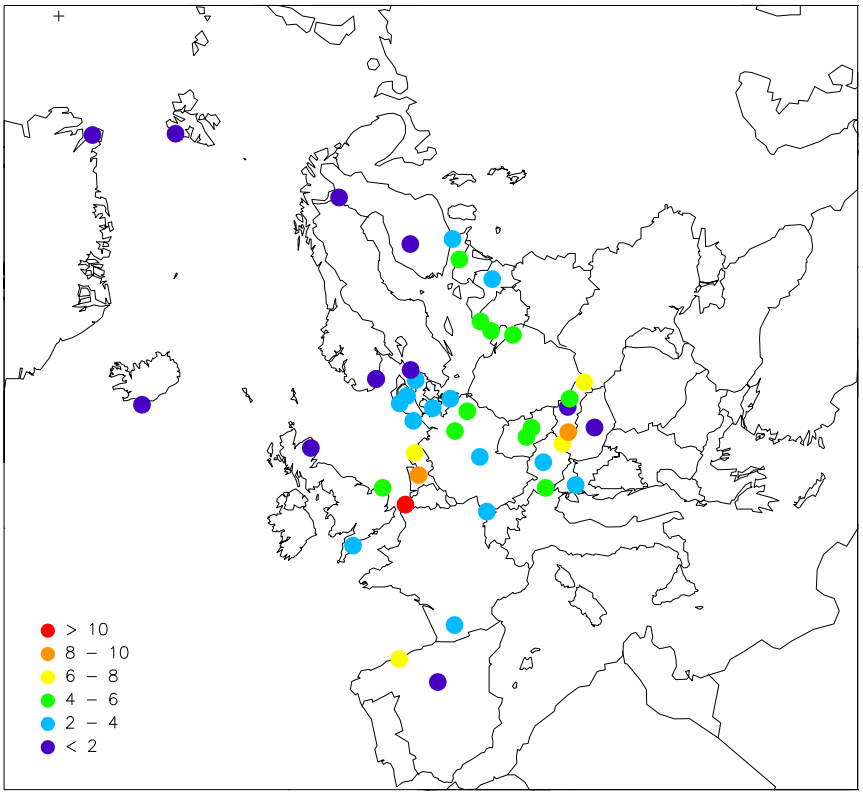

Figure 7: Lead in aerosols, 2008 (ng/m³).

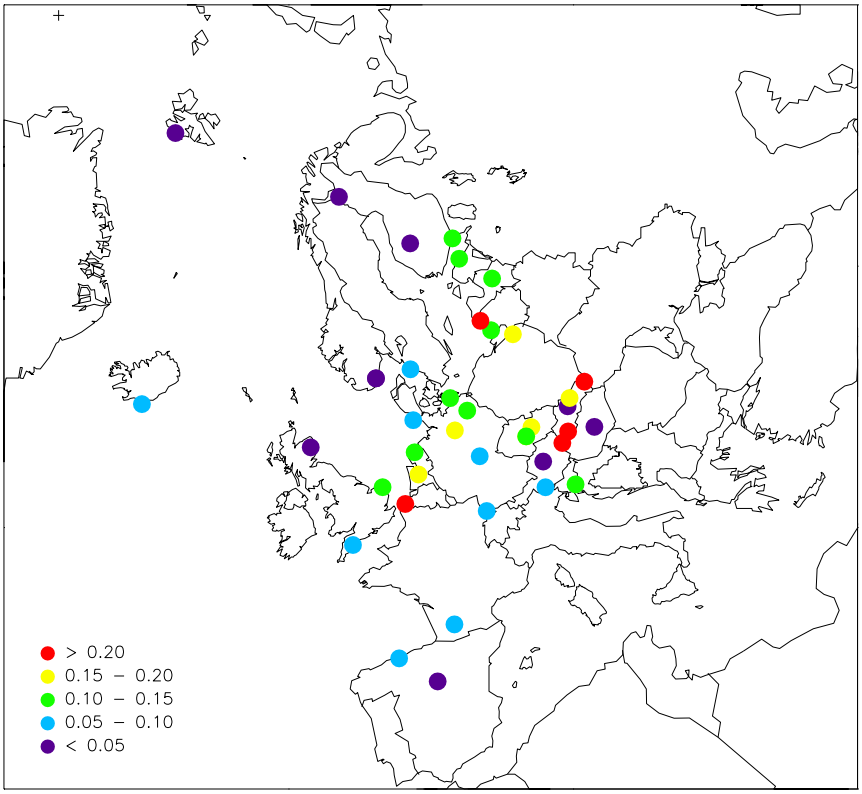

Figure 8: Cadmium in aerosols, 2008 (ng/m³).

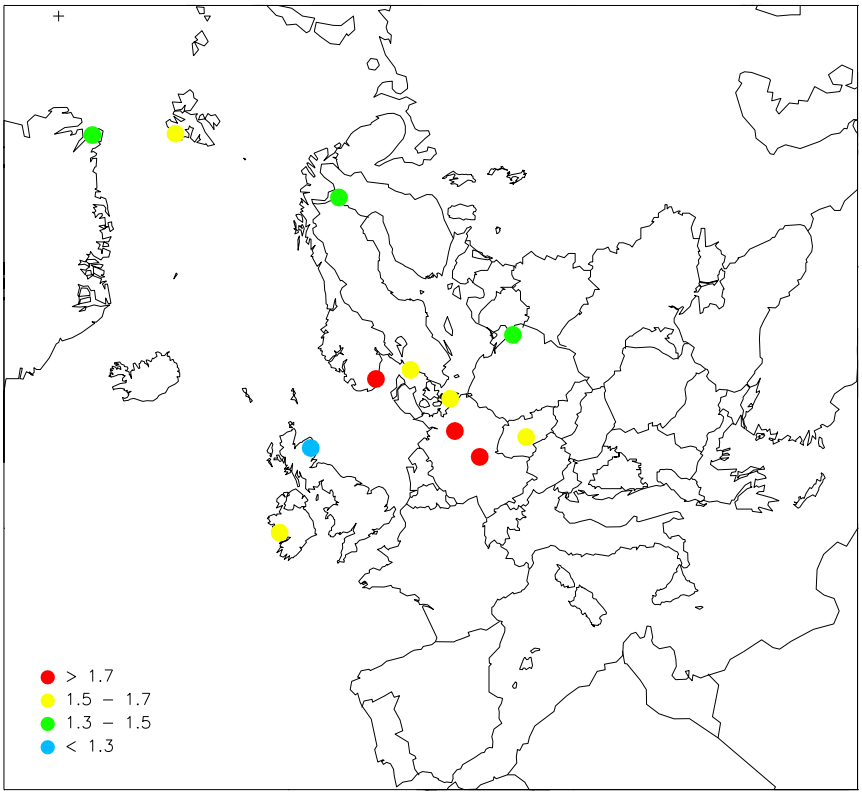

Figure 9: Mercury in air, 2008 (ng/m³).

3.2 Concentrations of POPs

It is generally difficult to give full credit to the information content in the POP data. Different sampling and analysis techniques make it difficult to compare data, especially for precipitation. For example, SE02, SE12 and FI96 have a precipitation sampler with 1 m^2 collection area and these results are given as deposition rates, ng/m^2 day. The rationale is that this includes both wet deposition and some dry deposition on the exposed collector surface. To compare the spatial pattern in Europe, air concentrations are used. High detection limit can also be a problem. Much of the data from Belgium are mainly below the detection limits and here one can only say something about the upper concentration limits. See annex 3 and 4 for details.

In Figure 10–Figure 21 it is shown maps with annual averaged air concentrations of some of the main PAH, PCBs and pesticides. In general the concentrations decrease from south to north, except for α-HCH where the second highest concentration is seen in Svalbard. The concentration in the Czech Republic is much higher than those observed in the Nordic countries for all the different POPs. For PCB it is explained by the high historical usage of in central Europe (Breivik et al., 2002). It is also known that former Czechoslovakia was among the European countries where PCBs were produced in significant amounts until 1984 (Taniyasu et al., 2003). Large differences in atmospheric PCB levels across Europe were also noted by Jaward et al. (2004).

The presence of α-HCH in environments far away from the sources is mainly due to long-range atmospheric transport. The relatively high concentrations of α-HCH measured at higher latitudes have also been observed in seawater. Preferential deposition and accumulation in polar latitudes of α-HCH are expected according to the hypothesis of global fractionation and cold condensation (Wania and Mackay, 1996). Iceland is influenced by westerly air masses, which explain the lower concentrations seen at IS0091.

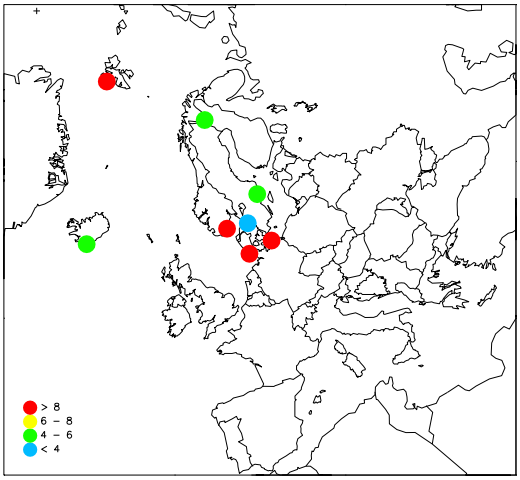

Figure 10: α-HCH in air, 2008 (pg/m^3).

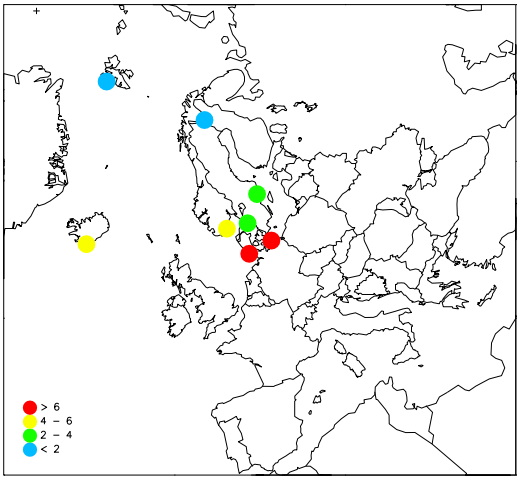

Figure 11: γ– HCH in air, 2008 (pg/m^3).

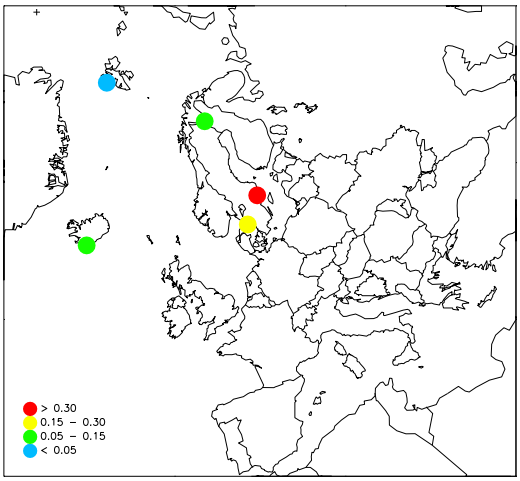

Figure 12: pp-DDD in air, 2008 (pg/m^3).

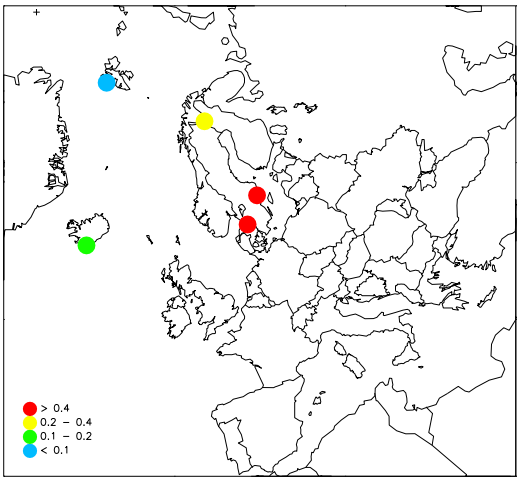

Figure 13: pp-DDT in air, 2008 (pg/m^3).

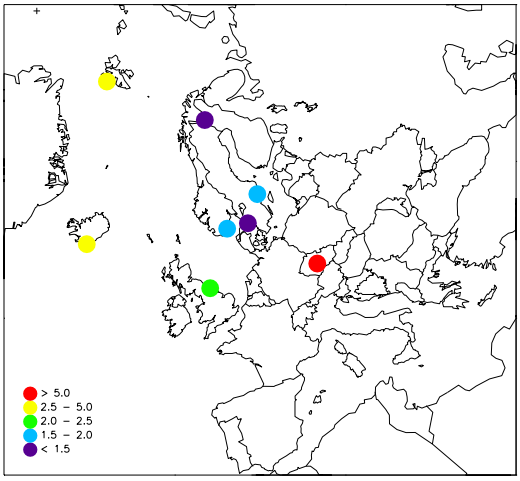

Figure 14: PCB-28 in air, 2008 (pg/m^3).

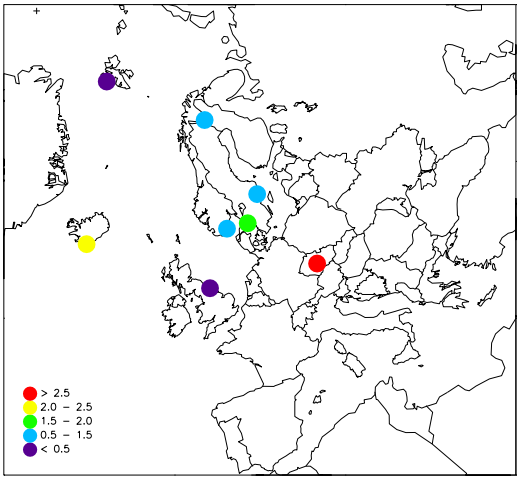

Figure 15: PCB-101 in air, 2008 (pg/m^3).

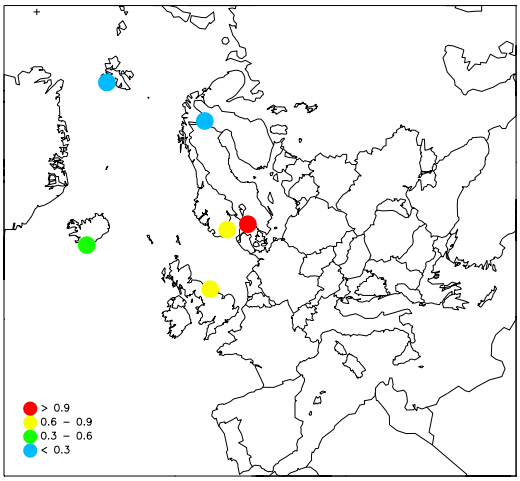

Figure 16: PCB-153 in air, 2008 (pg/m^3).

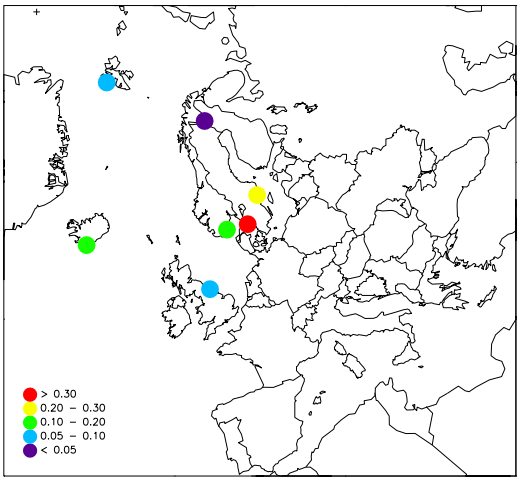

Figure 17: PCB-180 in air, 2008 (pg/m^3).

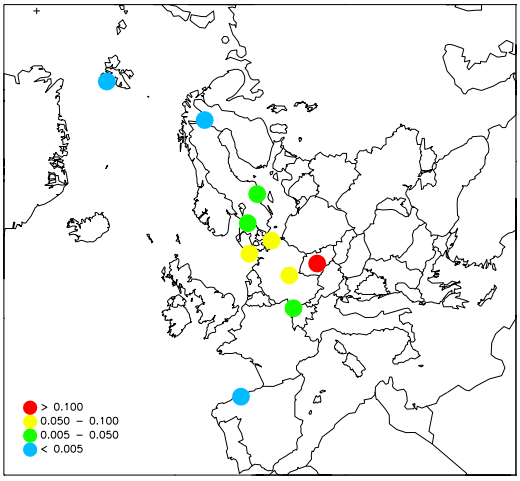

Figure 18: Anthracene in air, 2008 (ng/m^3).

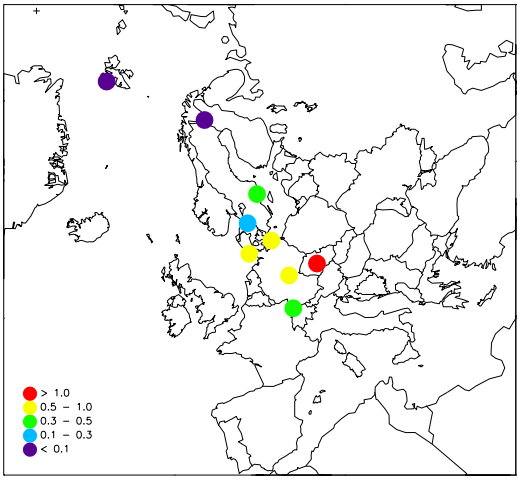

Figure 19: Fluoranthene in air, 2008 (ng/m^3).

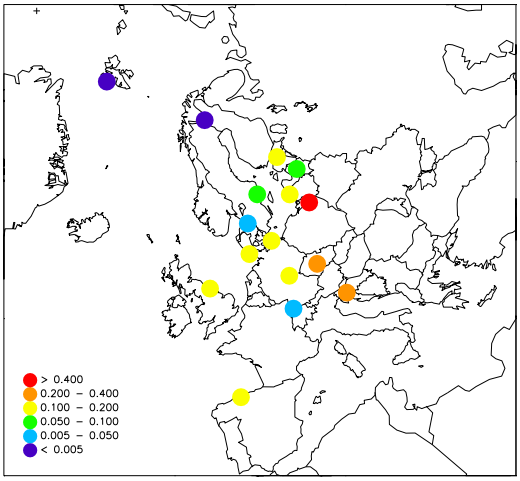

Figure 20: Benzo-a-pyrene (BaP) in air, 2008 (ng/m^3).

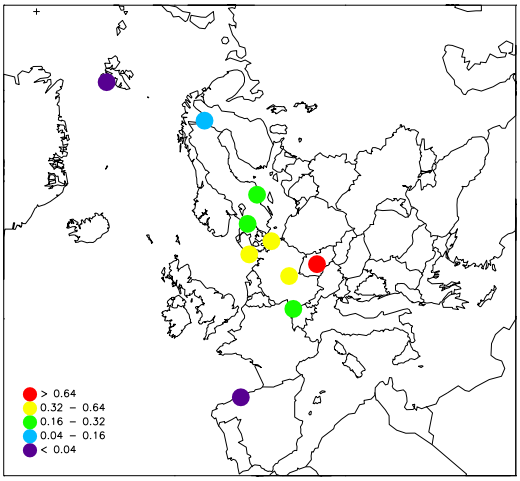

Figure 21: Pyrene in air, 2008 (ng/m^3).

3.3 Annual summaries

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$sd_g = exp(sdlnc)$$

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

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

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

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

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

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

Table 7: Units used for the measured components.

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

3.4 Monthly summaries

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

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

assumed to be equal. The precipitation weighted monthly averages are then calculated as the estimated monthly deposition divided by the monthly precipitation amount.

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

3.5 Update

The data compiled in this report represent the best data available at present. If any further errors are detected, the data will be corrected in the database. It is important that the users make certain that they have access to the most recent version of the database. For the data presented here the latest alteration is 18 August 2009. Scientific use of the EMEP data should be based on fresh copies of the data. Copies can be requested from the CCC (e-mail: wenche.aas@nilu.no or annehj@nilu.no). The newest updates will be downloadable from EMEP's homepage as well, http://www.nilu.no/projects/ccc/emepdata.html or from the database, http://ebas.nilu.no.Information about the EMEP measurement network can be found at CCC's internet pages at http://www.nilu.no/projects/ccc/index.html.

4. Conclusions and recommendations

The lowest concentrations of Pb and Cd are generally observed in northern Scandinavia, Greenland, Iceland, and the westernmost part of Europe. Increasing gradients can be seen south and eastward.

There is a general need for more measurement sites with high quality data. Few stations in the Mediterranean region and the most eastern part of Europe.

5. Acknowledgements

A large number of anonymous co-workers in participating countries have been involved in this work. A list of participating institutes, which have provided data for 2008, can be seen below. The staff at CCC wishes to express their gratitude and appreciation for continued good co-operation and efforts. The email address to the data reporter/contact persons can be accessed by contacting CCC.

Country	Institute	Data reporter
Austria	Umweltbundesamt, Wien	Marina Fröhlich
Belgium	Flemish Environmental Agency	Elke Adriaenssens
Czech Republic	Czech Hydrometeorological Institute	Jaroslav Pekarek
Cypros	Department of Labour Inspection, Ministry of Labour & Social Insurance	Adamos Adamides
Denmark	National Environmental Research Institute	Rune Keller, Thomas Ellermann
Estonia	Estonian Environmental Research Centre	Jelena Akimova, Toivo Truuts
Finland	Finnish Meteorological Institute	Sirkka Leppanen, Ulla Makkonen
France	Université de Bretagne	Jean Yves Cabon
	Ecole des Mines de Douai	Patrice Coddeville
Germany	Umweltbundesamt, Langen	Elke Bieber
Hungary	Hungarien Meterological Service	Krisztina Labancz, Ferenczi Zita
Iceland	The Icelandic Meteorological Office	Arni Sigurdsson
Ireland	Environmental Protection Agency (EPA)	Ciaran O'Donnell, Stephan Leinert
Italy	CNR Institute for Atmospheric Pollution	Cinzia Perrino
Latvia	Latvian Environment, Geology and Meteorology Centre	Iveta Dubakova
Lithuania	Institute of Physics	Darius Valiulis
Netherlands	National Institute for Public Health and Environmental Protection (RIVM)	Hans Berkhout
Norway	Norwegian Institute for Air Research (NILU)	Marit Vadset, Stein Manø
Poland	Institute of Meteorology and Water Management	Barbara Obminska
	PL05: Institute of Environmental Protection	Anna Degorska
Portugal	Meteorological Institute, Ministerio da Ciencia, Tecnologia e Ensino Superier	Amelia Lopes
Slovakia	Slovakian Hydrometereological Institute	Marta Mitosinkova
Slovenia	Environmental Agency of the Republic of Slovenia	Marijana Murovec
Spain	Dirección General de Calidad y Evaluacíon Ambiental, Ministry of Environment	Alberto González Ortiz
Sweden	Swedish Water and Air Pollution Research Institute (IVL)	Karin Sjöberg, Gunilla Pihl Karlsson
United Kingdom	AEA Technology and	Keith Vincent
	CEH	Heath M. Malcolm

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Annex 1

Annual statistics for heavy metals in precipitation

BE0014R Koksijde

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.26	0.25	0.28	153.1	99.3	42	42
Cd	precip	0.05	0.03	0.22	27.9	99.3	20	42
Cr	precip	1.02	0.25	5.47	601.1	99.3	27	42
Cu	precip	7.13	0.53	39.53	4179.7	99.3	1	42
Hg	precip	11.21	1.90	103.00	6665.9	99.7	0	43
Ni	precip	0.48	0.25	3.90	284.4	99.3	31	42
Pb	precip	1.73	0.25	12.61	1012.9	99.3	15	42
Zn	precip	18.65	5.25	132.89	10936.9	99.3	10	42

CZ0001R Svratouch

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Cd	precip	0.09	0.01	0.80	58.5	99.3	3	49
Fe	precip	58.58	4.00	1215.00	40496.0	99.3	2	49
Ni	precip	1.54	0.50	41.33	1061.4	99.3	25	49
Pb	precip	1.99	0.25	20.68	1374.7	99.3	12	49
Zn	precip	23.33	4.50	449.70	16129.5	99.3	4	49

CZ0003R Kosetice

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Cd	precip	0.10	0.01	0.56	48.9	97.0	1	44
Fe	precip	89.01	4.00	882.00	45053.3	99.3	1	46
Ni	precip	0.81	0.50	6.34	407.4	99.3	34	46
Pb	precip	1.03	0.25	17.92	521.5	99.3	12	46
Zn	precip	23.76	4.50	219.70	12025.8	99.3	5	46

DE0001R Westerland

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.08	0.04	0.28	68.9	99.8	0	44
Cd	precip	0.02	0.00	0.10	16.4	99.8	0	44
Co	precip	0.01	0.01	0.11	11.7	99.8	0	44
Cr	precip	0.10	0.01	0.43	84.2	99.8	0	44
Cu	precip	1.36	0.30	35.80	1159.0	99.8	0	44
Fe	precip	6.78	1.70	45.00	5762.4	99.8	0	44
Hg	precip	6.28	1.70	37.60	5339.3	100.0	0	45
Mn	precip	2.40	0.23	999.99	2038.4	100.0	0	52
Ni	precip	0.24	0.13	1.57	206.4	99.8	0	44
Pb	precip	0.53	0.13	2.27	448.9	99.8	0	44
V	precip	0.43	0.16	1.51	369.4	99.8	0	44
Zn	precip	4.45	1.30	55.06	3784.8	99.8	0	44
Sb	precip	0.06	0.01	0.25	46.5	99.8	0	44

DE0002R Langenbrügge

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.06	0.02	0.32	39.7	99.6	0	43
Cd	precip	0.02	0.01	0.09	12.0	99.6	0	43
Co	precip	0.01	0.00	0.11	9.7	99.6	0	43
Cr	precip	0.07	0.02	0.25	47.4	99.6	0	43
Cu	precip	3.63	0.29	999.99	2374.9	99.9	0	51
Fe	precip	14.04	1.50	999.99	9191.0	99.9	0	51
Hg	precip	9.22	1.40	46.10	6160.4	100.0	0	47
Mn	precip	4.09	0.12	999.99	2677.6	99.9	0	51
Ni	precip	0.23	0.09	0.90	153.7	99.6	0	43
Pb	precip	3.29	0.04	999.99	2155.1	99.9	0	51
V	precip	0.26	0.08	1.25	168.8	99.6	0	43
Sb	precip	0.07	0.02	0.20	46.1	99.6	0	43

DE0003R Schauinsland

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.04	0.01	0.28	71.3	81.0	0	39
Cd	precip	0.01	0.00	0.06	23.4	81.0	0	39
Co	precip	0.02	0.00	0.35	30.5	81.0	0	39
Cr	precip	0.07	0.01	0.45	118.3	81.0	0	39
Cu	precip	0.87	0.16	2.63	1394.7	81.0	0	39
Fe	precip	10.37	1.30	181.20	16679.9	81.0	0	39
Hg	precip	8.00	2.10	39.30	12934.3	100.0	0	48
Mn	precip	1.26	0.03	999.99	2026.0	81.0	0	43
Ni	precip	0.14	0.06	0.70	220.2	81.0	0	39
Pb	precip	0.43	0.08	1.69	698.0	81.0	0	39
V	precip	0.18	0.04	1.31	293.3	81.0	0	39
Zn	precip	3.51	1.05	15.42	5648.6	81.0	0	39
Sb	precip	0.06	0.02	0.20	98.6	81.0	0	39

DE0007R Neuglobsow

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.08	0.01	0.47	40.6	99.7	0	44
Cd	precip	0.03	0.01	0.11	14.1	99.7	0	44
Co	precip	0.02	0.00	0.57	10.1	99.7	0	44
Cr	precip	0.09	0.01	0.93	42.3	99.7	0	44
Cu	precip	1.15	0.18	4.61	565.7	99.7	0	44
Fe	precip	11.02	1.00	235.90	5412.9	99.7	0	44
Mn	precip	4.99	0.11	999.99	2451.0	100.0	0	52
Ni	precip	0.31	0.09	1.55	151.9	99.7	0	44
Pb	precip	0.81	0.08	4.15	398.7	99.7	0	44
V	precip	0.31	0.08	1.74	152.6	99.7	0	44
Zn	precip	6.10	1.74	30.30	2996.6	99.7	0	44
Sb	precip	0.08	0.03	0.35	39.3	99.7	0	44

DE0008R Schmücke

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.08	0.03	1.38	86.1	99.9	0	46
Cd	precip	0.03	0.01	0.20	28.3	99.9	0	46
Co	precip	0.02	0.01	0.18	23.7	99.9	0	46
Cr	precip	0.24	0.08	2.25	269.6	99.9	0	46
Cu	precip	1.83	0.42	12.09	2046.1	99.9	0	46
Fe	precip	12.28	3.30	127.50	13708.8	99.9	0	46
Hg	precip	8.59	1.20	35.40	10251.5	99.8	0	47
Mn	precip	2.61	0.29	999.99	2917.8	100.0	0	52
Ni	precip	0.47	0.14	3.31	522.1	98.7	0	44
Pb	precip	0.78	0.19	5.57	874.4	99.9	0	46
V	precip	0.23	0.08	1.39	255.2	99.9	0	46
Zn	precip	10.74	4.21	44.14	11994.3	99.9	0	46
Sb	precip	0.10	0.04	0.51	111.1	99.9	0	46

DK0005R Keldsnor

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.17	0.02	4.41	71.0	75.8	0	33
Cd	precip	0.04	-0.21	7.84	17.0	75.8	5	33
Cr	precip	0.88	0.18	126.96	373.3	69.3	0	32
Cu	precip	1.71	0.54	87.25	729.6	70.3	0	31
Ni	precip	0.95	0.13	84.80	404.5	75.8	0	33
Pb	precip	3.46	0.48	458.33	1475.5	58.5	0	29
Zn	precip	23.84	3.32	1931.37	10165.1	68.2	0	31

DK0008R Anholt

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.20	0.09	0.52	125.6	100.0	0	12
Cd	precip	0.03	0.01	0.12	15.7	100.0	0	12
Cr	precip	0.19	0.07	0.57	118.7	100.0	0	12
Cu	precip	1.18	0.47	4.64	748.7	100.0	0	12
Ni	precip	0.28	0.18	1.74	179.0	100.0	0	12
Pb	precip	0.76	0.05	3.11	480.6	100.0	0	12
Zn	precip	9.53	5.44	43.55	6052.5	100.0	0	12

DK0020R Pedersker

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.11	0.04	0.32	66.3	62.8	0	10
Cd	precip	0.06	0.02	0.15	38.4	62.8	0	10
Cr	precip	0.13	0.06	0.39	81.5	62.8	0	10
Cu	precip	1.38	0.52	4.89	838.2	62.8	0	10
Ni	precip	0.38	0.18	0.97	232.6	62.8	0	10
Pb	precip	1.15	0.55	2.30	699.0	62.8	0	10
Zn	precip	13.94	4.68	44.43	8463.0	62.8	0	10

DK0022R Sepstrup Sande

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.10	-12.26	0.26	86.2	95.7	0	11
Cd	precip	0.02	-0.63	0.12	20.6	95.7	0	11
Cr	precip	0.14	-4.72	0.47	116.9	95.7	0	11
Cu	precip	1.05	-24.53	3.59	893.8	95.7	0	11
Ni	precip	0.21	-7.86	0.50	182.2	95.7	0	11
Pb	precip	0.88	-14.46	1.80	746.7	95.7	0	11
Zn	precip	5.37	-264.15	21.02	4558.2	95.7	0	11

DK0031R Ulborg

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.07	0.04	0.68	66.8	94.6	0	11
Cd	precip	0.02	0.01	0.09	15.4	94.6	0	11
Cr	precip	0.08	0.04	1.52	77.5	94.6	0	11
Cu	precip	0.45	0.17	6.59	444.5	94.6	0	11
Ni	precip	0.17	0.06	2.04	165.2	94.6	0	11
Pb	precip	0.51	0.28	5.83	505.5	94.6	0	11
Zn	precip	4.56	2.69	78.79	4485.6	94.6	0	11

EE0009R Lahemaa

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.70	0.50	2.00	614.5	100.0	8	12
Cd	precip	0.04	0.01	0.23	37.3	100.0	1	12
Cu	precip	5.83	0.50	17.38	5138.8	100.0	1	12
Pb	precip	0.81	0.50	4.30	710.4	100.0	6	12
Zn	precip	6.00	5.00	12.20	5282.2	100.0	8	12

EE0011R Vilsandi

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Cd	precip	0.13	0.01	0.50	76.5	93.7	1	11
Cu	precip	3.98	0.50	16.70	2420.7	93.7	7	11
Pb	precip	1.49	0.50	8.80	905.7	93.7	5	11
Zn	precip	12.86	5.00	67.00	7831.7	93.7	6	11

ES0008R Niembro

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.10	0.03	0.50	152.4	100.0	2	49
Cd	precip	0.08	0.02	0.82	109.8	100.0	9	49
Cr	precip	55.39	0.29	636.53	80473.6	100.0	0	49
Cu	precip	15.82	3.74	105.13	22989.5	100.0	0	49
Hg	precip	5.22	2.50	29.89	7578.8	70.5	14	32
Ni	precip	40.21	0.52	659.99	58419.0	100.0	9	49
Pb	precip	1.48	0.36	68.98	2145.1	100.0	0	49
Zn	precip	62.97	9.04	1170.56	91494.4	100.0	0	49

ES0009R Campisabalos

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.15	0.03	4.89	89.8	100.0	4	37
Cd	precip	0.16	0.02	4.83	91.4	100.0	9	37
Cr	precip	2.54	0.54	17.34	1474.0	100.0	0	37
Cu	precip	22.02	5.15	471.85	12774.7	100.0	0	37
Ni	precip	2.56	0.52	34.81	1486.9	100.0	10	37
Pb	precip	4.07	0.29	135.16	2361.1	100.0	0	37
Zn	precip	83.80	9.49	813.76	48610.2	100.0	0	37

FI0008R Kevo

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Al	precip	4.25	1.25	15.55	1458.7	100.0	0	12
As	precip	0.07	0.03	0.22	22.5	100.0	0	12
Cd	precip	0.03	0.01	0.16	11.1	100.0	0	12
Co	precip	0.01	0.01	0.07	5.3	100.0	0	12
Cr	precip	0.10	0.01	0.52	34.6	100.0	5	12
Cu	precip	2.34	0.98	8.06	802.6	100.0	0	12
Fe	precip	10.83	2.57	33.15	3716.3	100.0	0	12
Mn	precip	1.98	0.21	8.67	678.1	100.0	0	12
Ni	precip	0.45	0.18	1.83	153.1	100.0	0	12
Pb	precip	0.30	0.06	0.79	103.0	100.0	0	12
V	precip	0.14	0.03	0.74	48.3	100.0	0	12
Zn	precip	1.88	0.77	5.79	643.7	100.0	0	12

FI0017R Virolahti II

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Al	precip	60.35	9.63	434.12	38327.3	100.0	0	12
As	precip	0.20	0.03	0.58	126.5	100.0	0	12
Cd	precip	0.07	0.03	0.14	46.7	100.0	0	12
Co	precip	0.03	0.01	0.24	21.4	100.0	0	12
Cr	precip	0.21	0.01	1.03	134.5	100.0	3	12
Cu	precip	1.70	0.71	5.64	1079.5	100.0	0	12
Fe	precip	79.79	8.25	550.61	50675.8	100.0	0	12
Mn	precip	3.16	0.87	33.90	2007.6	100.0	0	12
Ni	precip	0.25	0.08	0.71	160.5	100.0	0	12
Pb	precip	1.69	0.43	4.97	1074.4	100.0	0	12
V	precip	0.61	0.20	1.95	385.2	100.0	0	12
Zn	precip	6.17	3.53	16.39	3922.2	100.0	0	12

FI0022R Oulanka

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Al	precip	5.18	0.93	17.44	2968.0	100.0	0	12
As	precip	0.08	0.03	0.30	47.3	100.0	0	12
Cd	precip	0.06	0.01	0.17	33.5	100.0	0	12
Co	precip	0.01	0.00	0.03	6.1	100.0	0	12
Cr	precip	0.08	0.01	0.41	44.7	100.0	8	12
Cu	precip	1.48	0.92	2.55	846.0	100.0	0	12
Fe	precip	9.09	0.75	29.77	5206.2	100.0	1	12
Mn	precip	1.22	0.24	5.95	699.4	100.0	0	12
Ni	precip	0.14	0.07	0.27	78.1	100.0	0	12
Pb	precip	0.42	0.17	1.09	238.8	100.0	0	12
V	precip	0.19	0.09	0.42	108.5	100.0	0	12
Zn	precip	2.09	0.80	7.54	1198.2	100.0	0	12

FI0036R Pallas (Matorova)

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Al	precip	3.12	1.18	6.97	1846.9	100.0	0	12
As	precip	0.05	0.01	0.12	28.2	100.0	0	12
Cd	precip	0.03	0.00	0.22	18.7	100.0	0	12
Co	precip	0.01	0.00	0.01	4.2	100.0	0	12
Cr	precip	0.07	0.01	0.56	43.1	100.0	6	12
Cu	precip	1.42	0.77	3.23	840.5	100.0	0	12
Fe	precip	7.65	0.75	22.45	4528.3	100.0	2	12
Mn	precip	1.29	0.18	4.29	766.9	100.0	0	12
Ni	precip	0.26	0.05	2.08	156.2	100.0	0	12
Pb	precip	0.31	0.14	1.25	184.2	100.0	0	12
V	precip	0.18	0.05	0.60	107.4	100.0	0	12
Zn	precip	2.57	0.54	17.45	1521.8	100.0	0	12

FI0053R Hailuoto II

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Al	precip	13.39	3.46	79.05	5526.2	100.0	0	12
As	precip	0.07	0.03	0.30	29.6	100.0	0	12
Cd	precip	0.05	0.02	0.17	19.0	100.0	0	12
Co	precip	0.04	0.01	0.18	18.2	100.0	0	12
Cr	precip	0.10	0.01	0.88	39.7	100.0	4	12
Cu	precip	1.98	0.89	7.60	815.6	100.0	0	12
Fe	precip	27.98	2.57	218.69	11542.1	100.0	0	12
Mn	precip	2.34	0.79	23.59	964.7	100.0	0	12
Ni	precip	0.18	0.09	0.72	75.8	100.0	0	12
Pb	precip	0.65	0.21	3.01	268.9	100.0	0	12
V	precip	0.43	0.14	2.19	178.5	100.0	0	12
Zn	precip	5.81	2.44	47.58	2398.0	100.0	0	12

FI0092R Hietajärvi

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Al	precip	11.63	2.83	75.95	7823.4	100.0	0	12
As	precip	0.09	0.04	0.34	58.1	100.0	0	12
Cd	precip	0.05	0.01	0.18	30.7	100.0	0	12
Co	precip	0.01	0.00	0.11	9.4	100.0	0	12
Cr	precip	0.11	0.01	0.88	74.9	100.0	5	12
Cu	precip	1.55	0.55	6.68	1041.4	100.0	0	12
Fe	precip	14.90	0.75	112.11	10027.9	100.0	1	12
Mn	precip	1.60	0.39	9.43	1075.3	100.0	0	12
Ni	precip	0.16	0.07	0.89	108.3	100.0	0	12
Pb	precip	0.95	0.34	3.80	638.8	100.0	0	12
V	precip	0.30	0.13	1.07	202.5	100.0	0	12
Zn	precip	3.35	1.16	10.34	2253.1	100.0	0	12

FI0093R Kotinen

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Al	precip	10.58	3.81	52.60	8372.1	100.0	0	12
As	precip	0.08	0.04	0.24	66.6	100.0	0	12
Cd	precip	0.04	0.02	0.21	32.0	100.0	0	12
Co	precip	0.01	0.01	0.08	12.0	100.0	0	12
Cr	precip	0.12	0.01	1.18	92.4	100.0	6	12
Cu	precip	1.02	0.50	4.57	810.7	100.0	0	12
Fe	precip	15.07	0.75	91.62	11922.2	100.0	1	12
Mn	precip	2.13	0.75	9.46	1682.2	100.0	0	12
Ni	precip	0.50	0.09	2.22	398.6	100.0	0	12
Pb	precip	0.82	0.18	3.17	652.0	100.0	0	12
V	precip	0.29	0.15	0.57	231.4	100.0	0	12
Zn	precip	3.88	1.12	17.62	3070.6	100.0	0	12

FI0096G Pallas (Sammaltunturi)

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Hg	precip	7.50	3.40	12.20	2401.9	100.0	0	10

FR0009R Revin

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.02	0.01	0.09	11.4	100.0	10	13
Cd	precip	0.01	0.01	0.01	7.4	100.0	13	13
Cr	precip	0.04	0.03	0.69	21.6	100.0	10	13
Cu	precip	0.73	0.36	2.07	362.8	100.0	1	13
Ni	precip	0.26	0.05	1.06	127.2	100.0	1	13
Pb	precip	0.43	0.15	1.13	214.6	100.0	0	13
Zn	precip	3.89	1.51	10.40	1931.3	100.0	0	13

FR0013R Peyrusse Vieille

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.02	0.01	0.18	13.3	100.0	20	24
Cd	precip	0.01	0.01	0.05	12.0	100.0	22	24
Cr	precip	0.08	0.03	0.69	66.1	100.0	18	24
Cu	precip	0.28	0.06	2.44	217.7	100.0	4	24
Ni	precip	0.15	0.05	0.88	121.3	100.0	6	24
Pb	precip	0.18	0.05	1.57	144.8	100.0	8	24
Zn	precip	1.95	0.15	15.50	1543.0	100.0	1	24

FR0090R Porspoder

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.24	0.14	0.49	305.0	100.0	0	12
Cd	precip	0.04	0.02	0.08	52.1	100.0	0	12
Cr	precip	0.18	0.10	0.30	226.1	100.0	0	12
Cu	precip	0.43	0.23	0.85	545.7	100.0	0	12
Ni	precip	0.31	0.16	0.65	394.0	100.0	0	12
Pb	precip	0.37	0.22	0.67	467.5	100.0	0	12
Zn	precip	1.81	0.84	2.77	2288.9	100.0	0	12

GB0006R Lough Navar

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.25	0.08	0.46	323.2	91.8	0	8
Cd	precip	0.01	0.00	0.07	6.0	91.8	1	8
Cr	precip	0.07	0.01	0.40	92.0	91.8	3	8
Cu	precip	0.28	0.09	2.96	367.6	91.8	0	8
Ni	precip	0.07	0.02	0.68	94.8	91.8	0	8
Pb	precip	0.11	0.01	2.49	147.5	91.8	2	8
Zn	precip	1.13	0.25	16.10	1461.5	91.8	3	8

GB0013R Yarner Wood

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.06	0.02	0.17	78.5	83.6	0	32
Cd	precip	0.01	0.00	0.03	8.9	83.6	2	32
Cr	precip	0.04	0.02	0.37	52.3	83.6	18	32
Cu	precip	1.05	0.07	15.80	1331.3	83.6	0	32
Hg	precip	6.83	1.42	24.00	7363.5	100.0	0	13
Ni	precip	0.17	0.05	0.54	219.7	83.6	0	32
Pb	precip	0.28	0.03	2.10	359.4	83.6	4	32
Zn	precip	2.17	0.50	16.60	2733.6	83.6	7	32

GB0017R Heigham Holmes

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.09	0.08	0.10	46.7	65.0	0	3
Cd	precip	0.02	0.02	0.02	9.9	65.0	0	3
Cr	precip	0.12	0.09	0.18	64.8	65.0	0	3
Cu	precip	0.77	0.46	1.02	406.0	65.0	0	3
Hg	precip	5.42	2.50	12.50	2135.1	46.4	0	4
Ni	precip	0.18	0.13	0.21	93.0	65.0	0	3
Pb	precip	0.75	0.35	1.00	395.5	65.0	0	3
Zn	precip	4.36	3.40	5.70	2305.6	65.0	0	3

GB0091R Banchory

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.09	0.05	0.32	62.2	80.3	0	32
Cd	precip	0.01	0.00	0.07	6.4	80.3	0	32
Cr	precip	0.08	0.02	0.42	57.8	80.3	0	32
Cu	precip	0.29	0.07	2.56	200.5	80.3	0	32
Hg	precip	4.56	1.00	9.55	2793.0	100.0	0	13
Ni	precip	0.17	0.04	11.70	120.3	80.3	0	32
Pb	precip	0.39	0.03	4.14	268.3	80.3	0	32
Zn	precip	2.57	0.50	18.00	1766.1	80.3	0	32

HU0002R K-puszta

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Cd	precip	0.14	0.03	1.22	63.8	100.0	0	12
Pb	precip	1.80	0.94	3.45	845.4	99.1	0	11

IE0001R Valentia Observatory

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Al	precip	25.00	25.00	25.00	41843.5	78.2	10	10
As	precip	0.50	0.50	0.50	836.9	78.2	10	10
Cd	precip	0.09	0.05	0.50	148.1	78.2	9	10
Cr	precip	0.50	0.50	0.50	836.9	78.2	10	10
Cu	precip	1.10	0.50	2.70	1842.1	69.3	7	9
Hg	precip	50.00	50.00	50.00	83687.1	78.2	10	10
Mn	precip	2.55	0.50	5.70	4268.5	78.2	3	10
Ni	precip	0.50	0.50	0.50	836.9	78.2	10	10
Pb	precip	0.50	0.50	0.50	836.9	78.2	10	10
V	precip	0.50	0.50	0.50	836.9	78.2	10	10
Zn	precip	6.20	0.50	18.90	10375.1	78.2	3	10

IS0090R Reykjavik

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Al	precip	146.29	5.00	3558.00	117064.8	96.4	1	41
As	precip	0.19	0.03	0.58	150.5	96.4	1	41
Cd	precip	0.01	0.01	0.05	6.2	96.4	27	41
Cr	precip	0.33	0.05	5.68	260.4	96.4	2	41
Cu	precip	2.08	0.61	15.30	1666.2	96.4	0	41
Fe	precip	177.70	17.81	5549.00	142197.9	96.4	0	41
Mn	precip	2.97	0.36	94.34	2377.5	96.4	0	41
Ni	precip	0.50	0.05	9.68	402.3	96.4	0	41
Pb	precip	0.30	0.06	1.57	243.7	96.4	0	41
V	precip	1.53	0.26	13.63	1226.7	96.4	0	41
Zn	precip	4.45	0.59	51.31	3563.4	96.4	0	41

IS0091R Storhofdi

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Al	precip	139.83	12.70	6428.10	212713.9	84.5	0	41
As	precip	0.05	0.02	0.30	77.1	84.5	0	41
Cd	precip	0.01	0.00	0.12	14.9	84.5	2	41
Cr	precip	0.21	0.01	5.74	324.7	84.5	0	41
Cu	precip	1.00	0.16	12.53	1529.1	84.5	0	41
Fe	precip	180.64	15.60	10807.50	274789.8	84.5	0	41
Mn	precip	3.45	0.34	182.63	5252.8	84.5	0	41
Ni	precip	0.39	0.03	8.74	590.7	84.5	3	41
Pb	precip	0.26	0.04	1.91	400.7	84.5	0	41
V	precip	0.69	0.08	38.38	1056.8	84.5	0	41
Zn	precip	10.55	2.30	70.05	16048.0	84.5	0	41

IT0001R Montelibretti

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Cd	precip	2.36	0.10	11.40	2776.3	100.0	0	48
Cu	precip	4.20	0.43	24.20	4947.1	100.0	0	48
Pb	precip	0.13	0.09	0.89	154.3	13.5	0	7
Zn	precip	4.06	0.30	16.89	4782.3	100.0	0	48

LT0015R Preila

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.33	0.01	1.81	188.8	100.0	0	43
Cd	precip	0.07	0.01	0.30	40.6	100.0	0	43
Cr	precip	1.43	0.08	13.30	818.2	100.0	0	43
Cu	precip	2.97	0.41	29.70	1703.9	100.0	0	43
Ni	precip	2.08	0.08	12.93	1193.6	100.0	0	43
Pb	precip	2.05	0.16	27.70	1174.6	100.0	0	43
Zn	precip	62.78	3.00	605.00	35996.3	100.0	0	43

LV0010R Rucava

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.26	0.01	1.23	241.6	98.9	41	43
Cd	precip	0.06	0.01	0.62	58.6	99.8	31	44
Cr	precip	0.49	0.01	11.35	460.8	99.8	33	44
Cu	precip	2.19	0.30	11.30	2039.8	96.6	8	38
Hg	precip	26.21	10.00	190.00	24422.1	99.9	43	45
Mn	precip	3.94	0.55	24.69	3675.9	99.6	21	43
Ni	precip	0.73	0.03	5.15	679.8	99.2	30	43
Pb	precip	3.04	0.02	16.50	2828.0	99.2	5	43
Zn	precip	17.20	2.00	146.11	16031.3	99.0	9	42

LV0016R Zoseni

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.24	0.02	0.77	200.2	95.5	45	45
Cd	precip	0.05	0.01	0.28	43.5	97.7	25	43
Cr	precip	0.22	0.01	1.20	183.6	98.0	43	45
Cu	precip	1.76	0.20	11.10	1445.8	94.7	10	40
Hg	precip	22.03	10.00	40.00	18119.0	98.5	43	43
Mn	precip	4.56	0.26	60.01	3747.5	96.4	25	44
Ni	precip	1.00	0.01	5.24	820.6	98.0	28	45
Pb	precip	1.05	0.10	7.80	863.1	96.4	7	44
Zn	precip	13.35	2.93	79.02	10979.3	96.4	16	44

NL0009R Kollumerwaard

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.10	0.07	0.50	88.4	90.0	30	47
Cd	precip	0.02	0.02	0.10	18.4	90.0	36	47
Cr	precip	0.32	0.26	0.83	272.9	90.0	42	47
Cu	precip	0.69	0.19	6.50	599.0	90.0	3	46
Ni	precip	0.22	0.20	0.68	190.0	90.0	39	46
Pb	precip	0.62	0.20	2.80	533.9	90.0	9	47
Zn	precip	3.11	1.95	26.70	2696.0	90.0	21	47

NL0091R De Zilk

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.09	0.07	0.49	75.2	95.5	40	47
Cd	precip	0.03	0.02	0.19	23.9	95.5	26	47
Cr	precip	0.27	0.26	0.55	220.4	95.5	46	47
Cu	precip	0.80	0.42	5.45	662.6	95.5	0	47
Hg	precip	10.65	2.00	43.00	8189.1	99.9	0	45
Ni	precip	0.24	0.20	1.00	202.9	95.4	33	46
Pb	precip	0.87	0.20	6.19	721.6	95.5	2	47
Zn	precip	3.44	1.95	25.10	2865.6	95.5	22	47

NO0001R Birkenes

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.16	0.05	0.42	288.0	99.9	11	46
Cd	precip	0.03	0.00	0.20	45.6	99.9	42	46
Co	precip	0.01	0.01	0.15	22.3	99.9	44	46
Cr	precip	0.12	0.10	0.41	214.4	99.9	45	46
Cu	precip	0.39	0.05	2.98	702.1	99.9	30	46
Hg	precip	6.40	1.80	21.00	12611.5	100.0	0	21
Ni	precip	0.13	0.10	0.71	238.5	99.9	42	46
Pb	precip	0.78	0.06	2.83	1408.4	99.9	2	46
V	precip	0.78	0.13	2.07	1407.5	99.9	18	46
Zn	precip	2.86	0.21	19.80	5141.9	99.9	4	46

NO0039R Kårvatn

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Cd	precip	0.01	0.00	0.03	7.1	99.9	49	49
Pb	precip	0.10	0.02	0.80	145.9	99.9	26	49
Zn	precip	1.16	0.05	34.83	1647.3	99.9	15	49

NO0055R Karasjok

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Cd	precip	0.02	0.00	0.17	6.4	97.2	31	32
Pb	precip	0.38	0.04	2.22	141.7	97.2	1	32
Zn	precip	7.59	0.69	41.74	2823.1	97.2	0	32

NO0056R Hurdal

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Cd	precip	0.04	0.00	0.62	50.0	100.0	40	48
Pb	precip	0.74	0.14	2.96	839.9	100.0	0	48
Zn	precip	7.03	0.87	45.94	7922.8	100.0	0	48

PL0004R Leba

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Cd	precip	0.05	0.03	0.10	34.6	100.0	0	12
Cr	precip	0.07	0.03	0.20	47.5	100.0	0	12
Cu	precip	0.99	0.50	2.17	668.4	100.0	0	12
Ni	precip	0.14	0.08	0.28	96.3	100.0	0	12
Pb	precip	0.78	0.38	2.83	525.2	100.0	0	12
Zn	precip	7.72	1.81	17.24	5205.1	100.0	0	12

PL0005R Diabla Gora

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.24	0.06	0.81	156.7	99.8	0	46
Cd	precip	0.06	0.01	0.32	35.8	99.8	0	46
Cr	precip	0.07	0.02	0.42	43.0	99.8	0	46
Cu	precip	1.09	0.23	20.00	706.1	99.8	0	46
Hg	precip	42.26	10.00	133.00	25007.9	100.0	0	44
Ni	precip	0.61	0.05	3.40	395.5	99.8	0	46
Pb	precip	0.76	0.18	35.00	490.0	99.8	0	46
Zn	precip	5.56	1.20	36.00	3587.4	99.8	0	46

PT0001R Braganca

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Cd	precip	0.42	0.42	0.42	234.5	11.4	9	9
Cu	precip	3.57	0.33	21.75	1970.9	11.4	5	9
Mn	precip	6.53	1.07	29.44	3603.7	11.4	7	9
Ni	precip	0.78	0.78	0.78	427.5	11.4	9	9
Pb	precip	2.20	0.65	8.43	1212.5	11.4	7	9
Zn	precip	59.48	1.00	230.00	32813.9	10.2	1	8

PT0003R Viana do Castelo

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Cd	precip	0.42	0.42	0.42	491.7	40.4	34	34
Cu	precip	0.44	0.33	3.37	505.3	40.4	32	34
Mn	precip	1.47	1.07	7.63	1697.5	40.4	29	34
Ni	precip	0.78	0.78	0.78	896.6	40.4	34	34
Pb	precip	2.31	0.65	42.82	2669.9	40.4	28	34
Zn	precip	78.75	1.00	490.00	91109.8	23.9	8	20

PT0004R Monte Velho

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Cd	precip	0.42	0.42	0.42	178.8	89.9	27	27
Cu	precip	0.53	0.33	3.05	224.4	89.9	20	27
Mn	precip	2.55	1.07	28.09	1074.3	89.9	16	27
Ni	precip	0.78	0.78	0.78	326.0	89.9	27	27
Pb	precip	0.65	0.65	0.65	271.4	89.9	27	27
Zn	precip	59.14	1.00	330.00	24880.4	20.5	3	7

PT0010R Angra do Heroismo

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Cd	precip	0.42	0.42	0.42	389.1	95.8	28	28
Cu	precip	0.58	0.33	5.24	532.4	95.8	25	28
Mn	precip	1.66	1.07	5.74	1516.4	95.8	21	28
Ni	precip	0.78	0.78	0.78	709.5	95.8	28	28
Pb	precip	0.65	0.65	0.65	590.5	95.8	28	28
Zn	precip	22.77	1.00	170.00	20843.9	42.3	6	13

SE0014R Råö

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
Hg	precip	8.64	4.90	41.00	6203.2	100.0	0	12

SE0051R Arup

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.10	0.05	0.25	63.7	100.0	0	12
Cd	precip	0.04	0.01	0.08	23.1	100.0	0	12
Co	precip	0.02	0.01	0.12	14.5	100.0	0	12
Cr	precip	0.45	0.08	1.27	290.0	100.0	0	12
Cu	precip	0.65	0.32	1.75	419.4	100.0	0	12
Mn	precip	4.69	1.90	30.10	3033.9	100.0	0	12
Ni	precip	0.23	0.03	2.60	149.7	100.0	0	12
Pb	precip	0.62	0.31	1.20	401.9	100.0	0	12
V	precip	0.66	0.31	1.16	425.5	100.0	0	12
Zn	precip	5.64	2.61	15.75	3650.1	100.0	0	12

SE0097R Gårdsjön

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.15	0.07	0.26	141.9	100.0	0	12
Cd	precip	0.03	0.01	0.06	26.6	100.0	0	12
Co	precip	0.01	0.00	0.03	14.1	100.0	0	12
Cr	precip	0.37	0.05	1.42	348.7	100.0	0	12
Cu	precip	0.48	0.03	1.20	451.3	100.0	0	12
Mn	precip	0.95	0.20	4.90	894.6	100.0	0	12
Ni	precip	0.20	0.04	0.56	190.0	100.0	0	12
Pb	precip	0.54	0.11	0.93	508.1	100.0	0	12
V	precip	0.74	0.30	1.60	700.6	100.0	0	12
Zn	precip	3.23	0.80	6.80	3046.2	100.0	0	12

SI0008R Iskrba

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.10	0.05	0.61	149.7	100.0	19	44
Cd	precip	0.02	0.01	0.23	32.9	100.0	24	44
Cr	precip	0.15	0.15	1.50	228.9	100.0	41	44
Cu	precip	0.68	0.15	12.89	1030.2	100.0	8	44
Hg	precip	9.08	6.50	10.40	2110.3	100.0	0	4
Ni	precip	0.22	0.15	5.51	330.7	100.0	32	44
Pb	precip	0.80	0.14	5.18	1219.1	100.0	0	44
Zn	precip	2.45	0.50	45.58	3729.3	100.0	5	44

SK0002R Chopok

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.17	0.02	0.40	198.2	100.0	0	12
Cd	precip	0.09	0.03	0.23	99.7	100.0	0	12
Cr	precip	0.22	0.08	0.39	259.1	100.0	0	12
Cu	precip	1.41	0.69	2.70	1630.4	100.0	0	12
Ni	precip	0.64	0.18	1.29	743.2	100.0	0	12
Pb	precip	3.38	1.38	12.62	3922.7	100.0	0	12
Zn	precip	20.92	8.80	41.85	24250.9	100.0	0	12

SK0004R Stará Lesná

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.15	0.03	0.37	106.5	100.0	0	12
Cd	precip	0.15	0.05	0.54	105.1	100.0	0	12
Cr	precip	0.10	0.02	0.32	68.3	100.0	0	12
Cu	precip	2.34	0.48	7.65	1668.7	100.0	0	12
Ni	precip	0.55	0.06	1.21	392.0	100.0	0	12
Pb	precip	1.83	0.77	6.00	1304.0	100.0	0	12
Zn	precip	11.47	4.29	22.41	8183.1	100.0	0	12

SK0006R Starina

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.16	0.02	0.33	113.2	100.0	0	12
Cd	precip	0.06	0.03	0.11	45.2	100.0	0	12
Cr	precip	0.12	0.03	0.26	83.2	100.0	0	12
Cu	precip	1.67	0.32	2.83	1179.7	100.0	0	12
Ni	precip	0.60	0.05	1.57	426.3	100.0	0	12
Pb	precip	2.12	0.88	3.21	1498.2	100.0	0	12
Zn	precip	10.17	3.14	18.98	7202.3	100.0	0	12

SK0007R Topolniky

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
As	precip	0.11	0.03	0.29	59.7	100.0	0	12
Cd	precip	0.04	0.02	0.14	25.2	100.0	0	12
Cr	precip	0.11	0.04	0.28	63.8	100.0	0	12
Cu	precip	3.03	0.32	8.75	1695.3	100.0	0	12
Ni	precip	0.84	0.06	2.93	470.9	100.0	0	12
Pb	precip	1.29	0.82	2.70	724.6	100.0	0	12
Zn	precip	11.92	1.79	24.77	6675.1	100.0	0	12

Annex 2

Annual statistics for heavy metals in air

AT0002R Illmitz

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.73	0.84	0.38	3.47	0.00	0.05	0.35	2.53	3.80	16.4	32	60
Cd	pm10	0.22	0.20	0.13	3.03	0.01	0.02	0.15	0.68	0.75	16.4	19	60
Ni	pm10	0.81	0.77	0.52	3.06	-0.02	0.03	0.57	2.61	3.37	16.4	32	60
Pb	pm10	7.85	6.66	5.53	2.43	0.60	1.30	6.35	21.18	33.70	16.4	1	60

AT0005R Vorhegg

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.08	0.15	0.08	3.29	-0.13	-0.10	0.04	0.47	0.61	14.5	50	53
Cd	pm10	0.07	0.08	0.05	2.69	-0.03	-0.00	0.05	0.31	0.35	14.5	41	53
Ni	pm10	0.37	0.48	0.27	3.20	-0.18	-0.16	0.22	1.60	1.76	14.5	45	53
Pb	pm10	4.93	4.31	3.57	2.25	0.70	1.01	3.30	15.97	18.70	14.5	1	53

AT0048R Zoebelboden

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.12	0.23	0.09	3.71	-0.06	-0.04	0.04	0.60	1.22	15.8	45	58
Cd	pm10	0.05	0.05	0.04	2.40	-0.01	0.00	0.03	0.16	0.25	15.8	42	58
Ni	pm10	0.43	0.40	0.29	2.92	0.00	0.02	0.34	1.03	2.47	15.8	40	58
Pb	pm10	2.56	2.00	1.87	2.32	0.30	0.40	1.95	6.81	9.20	15.8	8	58

BE0014R Koksijde

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	1.39	1.46	1.00	2.23	0.17	0.17	1.04	3.78	15.46	98.1	24	359
Cd	aerosol	0.37	0.48	0.21	2.96	0.02	0.04	0.20	1.19	4.80	98.1	17	359
Cr	aerosol	5.24	8.06	4.22	1.67	1.24	2.34	3.87	9.32	125.06	98.1	0	359
Cu	aerosol	10.11	6.78	8.87	1.61	2.00	4.41	8.31	19.82	71.30	97.8	0	358
Hg	aerosol	2.27	1.73	2.06	1.47	0.59	1.14	2.03	4.12	29.74	99.7	0	365
Ni	aerosol	6.11	5.32	4.91	1.87	0.70	1.91	4.65	13.66	52.16	98.1	0	359
Pb	aerosol	11.22	13.69	7.71	2.31	0.70	1.88	7.54	31.40	163.40	98.1	0	359
Zn	aerosol	37.25	32.38	28.56	2.08	3.47	8.34	28.55	84.20	274.93	98.1	6	359

CY0002R Ayia Marina

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	0.57	0.62	0.37	2.55	0.05	0.06	0.36	2.27	2.90	77.9	0	285
Cd	aerosol	0.14	0.13	0.11	1.97	0.03	0.03	0.14	0.31	1.45	77.6	0	284
Hg	aerosol	0.30	0.40	0.11	4.71	0.01	0.01	0.09	0.92	3.16	73.5	0	269
Ni	aerosol	2.80	2.76	2.01	2.31	0.18	0.45	2.18	7.65	24.67	75.1	0	275
Pb	aerosol	8.35	12.87	6.43	2.63	0.00	0.00	4.00	28.80	87.00	76.8	0	281

CZ0001R Svratouch

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.55	0.53	0.40	2.29	0.03	0.11	0.40	1.53	4.06	39.1	3	143
Cd	pm10	0.19	0.19	0.13	2.34	0.01	0.03	0.14	0.49	1.48	39.1	0	143
Cu	pm10	1.64	1.38	1.00	3.60	0.04	0.04	1.48	3.65	10.20	39.1	13	143
Mn	pm10	3.62	3.11	2.66	2.28	0.30	0.54	2.83	8.96	19.20	39.1	0	143
Ni	pm10	0.43	0.95	0.21	3.06	0.06	0.06	0.22	1.15	10.30	39.1	47	143
Pb	pm10	5.86	5.42	4.31	2.24	0.20	1.00	4.53	15.06	47.00	39.1	0	143

CZ0003R Kosetice

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.56	0.41	0.42	2.15	0.07	0.11	0.43	1.45	2.42	53.3	0	195
As	pm25	0.46	0.39	0.33	2.36	0.03	0.08	0.33	1.30	2.41	47.5	3	174
Cd	pm10	0.15	0.10	0.12	1.91	0.03	0.04	0.13	0.37	0.56	53.0	0	194
Cd	pm25	0.13	0.09	0.10	2.03	0.00	0.04	0.11	0.27	0.56	47.0	1	172
Cu	pm10	2.06	2.21	1.40	2.58	0.04	0.27	1.58	6.14	16.20	53.3	3	195
Cu	pm25	1.11	1.14	0.67	3.25	0.04	0.04	0.83	2.72	8.95	47.5	14	174
Hg	air	1.58	0.67	1.41	1.70	0.20	0.38	1.45	3.03	3.34	86.5	0	46
Hg	pm10	0.01	0.01	0.01	2.17	0.00	0.00	0.01	0.03	0.04	90.4	0	48
Mn	pm10	5.36	4.06	4.20	2.06	0.48	1.21	4.26	13.52	27.40	53.3	0	195
Mn	pm25	1.77	1.25	1.41	2.09	0.02	0.45	1.51	4.22	8.00	47.5	1	174
Ni	pm10	0.47	0.40	0.33	2.60	0.06	0.06	0.38	1.22	2.98	53.3	31	195
Ni	pm25	0.55	0.45	0.35	2.98	0.06	0.06	0.55	1.17	3.16	47.5	36	174
Pb	pm10	5.49	6.87	3.97	2.12	0.74	1.15	4.12	14.10	75.70	53.3	0	195
Pb	pm25	4.87	7.38	3.29	2.42	0.01	0.99	3.55	12.15	84.00	47.5	1	174

DE0001R Westerland

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	0.32	0.21	0.25	2.15	0.01	0.10	0.25	0.82	0.89	85.2	0	52
Cd	aerosol	0.08	0.07	0.06	2.54	0.00	0.01	0.06	0.25	0.34	85.2	0	52
Co	aerosol	0.06	0.03	0.05	1.94	0.01	0.01	0.07	0.12	0.14	85.2	0	52
Cu	aerosol	1.93	1.25	1.57	2.02	0.09	0.66	1.61	4.55	6.41	85.2	0	52
Fe	aerosol	74.42	50.02	58.60	2.15	3.00	19.22	61.60	181.26	239.70	85.2	0	52
Mn	aerosol	2.37	1.50	1.87	2.27	0.04	0.62	2.21	5.94	6.60	85.2	0	52
Ni	aerosol	1.53	0.66	1.37	1.70	0.17	0.42	1.47	3.13	3.64	85.2	0	52
Pb	aerosol	2.85	2.07	2.24	2.06	0.35	0.51	2.17	8.76	9.28	85.2	0	52
V	aerosol	2.46	1.31	2.09	1.88	0.28	0.48	2.38	5.12	6.89	85.2	0	52
Zn	aerosol	9.67	8.06	6.33	2.84	0.74	0.74	7.79	27.15	34.18	82.0	0	50
antimony	aerosol	0.36	0.19	0.31	1.76	0.07	0.09	0.32	0.76	0.96	85.2	0	52
thallium	aerosol	0.02	0.02	0.01	3.22	0.00	0.00	0.01	0.08	0.09	85.2	0	52

DE0002R Langenbrügge

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	0.47	0.35	0.40	1.68	0.17	0.19	0.38	1.27	2.11	83.6	0	51
Cd	aerosol	0.18	0.12	0.15	1.72	0.06	0.07	0.14	0.44	0.71	83.6	0	51
Co	aerosol	0.12	0.13	0.09	2.24	0.02	0.03	0.08	0.42	0.58	83.6	0	51
Cu	aerosol	2.89	1.02	2.72	1.41	1.13	1.48	2.49	5.04	5.62	82.0	0	50
Fe	aerosol	132.08	76.51	116.66	1.61	53.30	61.12	118.90	305.92	447.00	83.6	0	51
Mn	aerosol	3.90	1.73	3.61	1.48	1.83	1.97	3.38	6.89	11.49	83.6	0	51
Pb	aerosol	4.96	2.99	4.36	1.63	1.64	2.21	4.12	11.11	17.70	83.6	0	51
V	aerosol	1.22	0.42	1.14	1.44	0.50	0.60	1.20	1.98	2.54	83.6	0	51
Zn	aerosol	17.22	8.43	15.37	1.64	3.22	7.66	15.66	35.90	47.01	83.6	0	51
antimony	aerosol	0.59	0.24	0.55	1.46	0.24	0.26	0.52	1.09	1.41	83.6	0	51
thallium	aerosol	0.04	0.04	0.03	2.32	0.00	0.01	0.03	0.14	0.20	82.0	0	50
total_gaseous_mercury	air	1.72	0.24	1.70	1.15	1.04	1.35	1.69	2.13	3.23	94.8	0	348

DE0003R Schauinsland

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	0.15	0.11	0.11	2.40	0.01	0.02	0.13	0.41	0.48	80.3	0	49
Cd	aerosol	0.05	0.04	0.04	2.60	0.00	0.01	0.05	0.13	0.14	80.3	0	49
Co	aerosol	0.04	0.04	0.02	2.68	0.01	0.01	0.03	0.17	0.23	80.3	0	49
Cu	aerosol	1.73	1.37	1.14	2.84	0.09	0.10	1.39	4.16	6.01	80.3	0	49
Fe	aerosol	83.62	114.45	45.76	3.16	3.00	3.25	54.50	443.90	571.20	80.3	0	49
Ni	aerosol	0.38	0.30	0.26	2.56	0.06	0.06	0.32	1.00	1.29	80.3	0	49
Pb	aerosol	2.04	1.27	1.65	2.02	0.35	0.46	1.84	4.78	5.30	80.3	0	49
V	aerosol	0.55	0.48	0.39	2.33	0.04	0.10	0.37	1.78	2.06	80.3	0	49
Zn	aerosol	8.76	6.30	6.92	2.10	1.09	1.18	7.62	21.93	36.93	80.3	0	49

DE0007R Neuglobsow

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	0.50	0.44	0.39	1.99	0.15	0.16	0.34	1.64	2.20	85.2	0	52
Cd	aerosol	0.14	0.11	0.12	1.87	0.03	0.04	0.11	0.43	0.55	85.2	0	52
Co	aerosol	0.05	0.03	0.05	1.83	0.01	0.01	0.05	0.13	0.15	83.6	0	51
Cu	aerosol	2.12	1.00	1.95	1.49	0.80	1.03	1.89	3.67	7.01	83.6	0	51
Fe	aerosol	90.32	48.65	79.90	1.65	18.70	34.13	79.05	200.27	274.90	85.2	0	52
Mn	aerosol	3.10	1.74	2.72	1.67	0.73	1.01	2.82	7.22	10.07	83.6	0	51
Ni	aerosol	0.79	0.30	0.73	1.46	0.23	0.37	0.75	1.43	1.92	83.6	0	51
Pb	aerosol	5.08	3.33	4.29	1.77	1.33	1.66	4.03	13.72	17.07	85.2	0	52
V	aerosol	1.12	0.45	1.04	1.49	0.43	0.51	1.09	2.15	2.44	85.2	0	52
Zn	aerosol	15.71	9.44	13.30	1.80	2.90	5.16	12.95	36.84	41.30	85.2	0	52
antimony	aerosol	0.49	0.24	0.45	1.56	0.20	0.22	0.41	1.00	1.40	85.2	0	52
thallium	aerosol	0.03	0.03	0.02	2.25	0.00	0.01	0.02	0.12	0.13	85.2	0	52

DE0008R Schmücke

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	0.27	0.22	0.21	2.04	0.02	0.08	0.20	0.87	1.01	85.2	0	52
Cd	aerosol	0.09	0.07	0.07	2.09	0.01	0.02	0.07	0.24	0.47	85.2	0	52
Co	aerosol	0.03	0.03	0.02	2.56	0.01	0.01	0.03	0.12	0.17	85.2	0	52
Cu	aerosol	1.53	0.91	1.20	2.25	0.09	0.21	1.39	3.12	4.21	83.6	0	51
Fe	aerosol	72.82	68.09	54.54	2.15	10.00	11.35	59.50	175.87	452.20	85.2	0	52
Mn	aerosol	2.16	1.68	1.68	2.10	0.27	0.40	1.84	5.10	10.32	85.2	0	52
Ni	aerosol	0.38	0.20	0.31	2.08	0.06	0.06	0.37	0.73	0.84	85.2	0	52
Pb	aerosol	3.00	1.53	2.66	1.65	0.97	1.05	2.63	7.12	7.58	85.2	0	52
V	aerosol	0.52	0.25	0.46	1.70	0.07	0.21	0.45	0.92	1.43	85.2	0	52
Zn	aerosol	9.06	5.52	7.54	1.96	0.74	1.91	7.86	22.03	28.74	85.2	0	52
antimony	aerosol	0.35	0.17	0.31	1.69	0.08	0.11	0.33	0.71	0.93	85.2	0	52
thallium	aerosol	0.01	0.01	0.01	2.25	0.00	0.00	0.01	0.03	0.04	85.2	0	52
total_gaseous_mercury	air	1.77	0.30	1.75	1.17	1.29	1.37	1.73	2.36	3.21	87.2	0	320

DE0009R Zingst

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	0.38	0.31	0.29	2.02	0.07	0.13	0.24	1.11	1.44	85.2	0	52
Cd	aerosol	0.12	0.09	0.09	2.09	0.01	0.03	0.09	0.33	0.40	85.2	0	52
Co	aerosol	0.09	0.04	0.08	1.49	0.04	0.04	0.08	0.17	0.23	85.2	0	52
Cu	aerosol	1.75	1.12	1.50	1.74	0.41	0.52	1.52	3.78	7.35	85.2	0	52
Fe	aerosol	71.24	30.81	63.84	1.66	13.30	20.98	69.95	129.66	153.20	85.2	0	52
Mn	aerosol	2.61	1.04	2.38	1.60	0.42	0.95	2.42	4.63	5.49	85.2	0	52
Ni	aerosol	2.02	1.19	1.79	1.59	0.76	0.89	1.73	4.85	6.65	85.2	0	52
Pb	aerosol	3.84	2.80	3.11	1.90	0.83	1.12	2.75	9.89	14.62	85.2	0	52
V	aerosol	3.16	1.79	2.73	1.73	0.90	0.94	2.66	7.63	8.37	82.0	0	50
Zn	aerosol	12.36	7.16	10.12	2.04	0.75	2.35	12.00	28.43	32.41	85.2	0	52
antimony	aerosol	0.42	0.21	0.37	1.66	0.09	0.14	0.35	0.91	0.92	85.2	0	52
thallium	aerosol	0.02	0.03	0.01	3.20	0.00	0.00	0.01	0.08	0.15	85.2	0	52
total_gaseous_mercury	air	1.51	0.24	1.49	1.17	1.05	1.14	1.48	1.93	2.86	81.7	0	300

DK0003R Tange

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
Al	aerosol	165.79	202.13	105.26	2.73	-37.83	8.11	98.77	595.20	1583.96	95.8	119	351
As	aerosol	0.51	0.60	0.32	2.89	-0.03	0.04	0.33	1.56	5.63	96.1	24	352
Cr	aerosol	0.51	0.86	0.43	3.21	-1.69	-0.44	0.31	1.93	8.63	95.8	183	351
Cu	aerosol	1.65	3.41	1.13	2.45	-0.13	0.19	1.17	3.96	60.84	96.1	13	352
Fe	aerosol	122.62	193.86	55.97	3.42	-0.39	7.91	52.13	562.91	1649.18	96.1	1	352
Mn	aerosol	4.33	5.97	2.36	3.02	-0.13	0.32	2.13	17.63	44.72	95.8	13	351
Ni	aerosol	1.07	0.85	0.80	2.33	-0.44	0.16	0.86	2.57	6.49	96.1	18	352
Pb	aerosol	3.00	3.04	1.96	2.68	0.03	0.40	2.17	9.70	23.29	96.1	4	352
Se	aerosol	0.35	0.28	0.27	2.12	0.00	0.08	0.28	0.83	2.43	96.1	3	352
Zn	aerosol	10.27	8.86	7.52	2.35	-8.07	1.49	7.43	26.31	61.22	96.1	14	352

DK0005R Keldsnor

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	0.28	0.30	0.19	2.61	-0.09	0.02	0.19	0.82	2.27	93.6	59	343
Cr	aerosol	0.50	0.64	0.44	3.03	-1.50	-0.35	0.38	1.67	2.68	93.6	166	343
Cu	aerosol	1.64	2.00	1.13	2.58	-0.41	0.19	1.19	4.28	28.70	93.6	13	343
Fe	aerosol	82.97	83.59	56.56	2.50	3.77	10.92	61.68	215.98	941.06	93.6	1	343
Mn	aerosol	2.64	2.33	1.98	2.30	-0.63	0.38	2.15	7.09	17.70	93.6	19	343
Ni	aerosol	2.39	1.96	1.70	2.49	0.10	0.27	1.92	6.31	12.02	93.6	7	343
Pb	aerosol	3.87	4.04	2.40	2.95	-0.10	0.30	2.70	12.54	24.23	93.6	5	343
Se	aerosol	0.51	0.37	0.40	2.08	0.04	0.12	0.43	1.20	2.67	93.6	2	343
Zn	aerosol	12.38	10.68	8.63	2.70	-4.55	1.12	9.60	30.65	58.79	93.6	25	343

DK0008R Anholt

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
Al	aerosol	121.94	90.93	93.57	2.43	-40.06	8.83	101.56	293.12	739.80	93.6	121	343
As	aerosol	0.24	0.28	0.16	2.64	-0.38	0.01	0.17	0.75	2.46	93.6	40	343
Cr	aerosol	0.30	0.71	0.37	3.11	-1.73	-0.70	0.23	1.41	5.18	93.6	189	343
Cu	aerosol	0.96	0.92	0.65	2.88	-0.27	0.06	0.68	2.94	5.81	93.6	28	343
Fe	aerosol	50.44	52.89	29.60	3.03	0.64	4.96	31.21	171.81	336.36	93.6	4	343
Mn	aerosol	1.82	1.70	1.22	2.85	-0.43	0.16	1.32	5.37	10.25	93.6	44	343
Ni	aerosol	1.57	1.43	1.08	2.57	-0.06	0.21	1.21	4.08	11.09	93.6	6	343
Pb	aerosol	2.55	3.81	1.32	3.41	-0.17	0.12	1.32	8.84	37.64	93.6	14	343
Se	aerosol	0.33	0.25	0.24	2.37	-0.08	0.04	0.27	0.81	1.47	93.6	7	343
Zn	aerosol	7.64	8.43	4.58	3.33	-0.76	0.37	5.24	22.55	68.67	93.6	33	343

DK0010G Nord, Greenland

January 2008 - December 2008
(Mercury from 11 September)

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
Al	aerosol	40.95	23.86	33.77	1.99	3.77	9.72	36.29	86.44	88.24	84.4	3	52
As	aerosol	0.07	0.11	0.05	2.85	-0.02	-0.00	0.04	0.25	0.74	84.4	7	52
Cr	aerosol	0.11	0.26	0.09	3.10	-0.11	-0.10	0.07	0.45	1.77	84.4	26	52
Cu	aerosol	0.15	0.19	0.09	3.31	-0.02	-0.00	0.10	0.57	1.02	84.4	15	52
Fe	aerosol	20.93	16.00	15.54	2.29	1.53	3.96	14.12	57.03	62.61	84.4	0	52
Hg	air	1.41	0.07	1.40	1.05	0.79	1.31	1.39	1.54	1.66	27.9	0	2448
Mn	aerosol	0.53	0.44	0.39	2.38	0.02	0.08	0.41	1.27	2.68	84.4	2	52
Ni	aerosol	0.09	0.10	0.07	2.52	0.00	0.00	0.06	0.25	0.64	84.4	11	52
Pb	aerosol	0.76	1.37	0.26	4.92	0.01	0.02	0.31	3.04	8.85	84.4	3	52
Se	aerosol	0.05	0.04	0.04	2.13	-0.01	0.01	0.04	0.12	0.23	84.4	1	52
Zn	aerosol	1.03	1.82	0.89	2.73	-0.38	-0.14	0.55	3.28	12.02	84.4	22	52

DK0031R Ulborg

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
Al	aerosol	154.84	149.04	113.23	2.32	-18.73	24.30	108.55	467.27	1304.44	96.6	102	354
As	aerosol	0.27	0.27	0.18	2.95	-0.13	-0.01	0.19	0.95	1.50	96.6	53	354
Cr	aerosol	0.31	0.73	0.41	2.99	-1.99	-0.79	0.27	1.56	3.75	96.6	166	354
Cu	aerosol	1.05	1.10	0.68	2.99	-0.27	0.06	0.77	2.85	11.65	96.6	35	354
Fe	aerosol	74.82	101.21	33.91	3.80	0.07	4.32	36.10	309.11	636.38	96.6	5	354
Mn	aerosol	2.43	2.69	1.44	3.25	-0.45	0.04	1.51	8.43	13.60	96.6	48	354
Ni	aerosol	1.16	0.97	0.84	2.40	-0.06	0.20	0.94	2.81	7.41	96.6	16	354
Pb	aerosol	2.69	2.93	1.54	3.40	-0.04	0.16	1.90	8.78	18.17	96.6	11	354
Se	aerosol	0.39	0.29	0.30	2.17	0.00	0.08	0.32	0.87	2.10	96.6	5	354
Zn	aerosol	9.48	9.03	6.01	3.07	-0.53	0.56	6.80	27.74	54.51	96.6	31	354

EE0009R Lahemaa

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
Cd	aerosol	0.12	0.09	0.10	1.87	0.01	0.05	0.10	0.34	0.50	98.1	0	53
Ni	aerosol	2.16	1.17	1.96	1.67	0.79	0.81	2.00	4.66	5.70	98.1	0	53
Pb	aerosol	5.64	3.98	4.96	1.70	1.80	2.49	4.50	13.70	25.30	98.1	0	53

ES0007R Viznar

21 April 2008 - 16 May 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.19	0.13	0.15	2.29	0.05	0.05	0.17	0.37	0.37	1.1	0	4
Cd	pm10	0.04	0.01	0.04	1.49	0.02	0.02	0.04	0.05	0.05	1.1	0	4
Cr	pm10	0.78	0.00	0.78	1.00	0.78	0.78	0.78	0.78	0.78	1.1	4	4
Cu	pm10	6.24	2.46	5.72	1.69	2.61	2.61	7.16	8.03	8.03	1.1	0	4
Hg	pm10	0.01	0.01	0.01	1.67	0.01	0.01	0.01	0.02	0.02	1.1	0	4
Ni	pm10	1.29	0.80	1.07	2.13	0.41	0.41	1.37	2.02	2.02	1.1	1	4
Pb	pm10	2.20	1.26	1.89	1.98	0.78	0.78	2.19	3.64	3.64	1.1	0	4
Zn	pm10	5.60	1.76	5.41	1.34	4.00	4.00	5.14	8.11	8.11	1.1	0	4

ES0008R Niembro

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.22	0.16	0.18	1.91	0.05	0.06	0.16	0.58	0.74	13.3	1	49
Cd	pm10	0.10	0.10	0.07	2.37	0.01	0.02	0.06	0.34	0.50	13.3	1	49
Cr	pm10	0.91	0.52	0.83	1.49	0.43	0.47	0.78	2.29	3.28	13.3	27	49
Cu	pm10	53.06	53.49	38.16	2.28	6.10	7.75	36.17	183.68	308.93	13.3	0	49
Ni	pm10	1.25	0.79	1.03	1.86	0.41	0.41	0.99	2.92	4.01	13.3	6	49
Pb	pm10	6.08	6.97	3.44	3.14	0.14	0.46	3.38	23.86	35.22	13.3	0	49
Zn	pm10	19.19	22.31	11.39	2.76	2.17	2.60	9.37	71.49	114.88	13.3	2	49

ES0009R Campisabalos

January 2008 - December 2008
(Mercury: 21 August to 15 September)

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.09	0.07	0.07	1.95	0.02	0.02	0.06	0.22	0.38	12.2	15	45
Cd	pm10	0.02	0.01	0.01	1.67	0.01	0.01	0.01	0.05	0.06	12.2	13	45
Cr	pm10	0.80	0.13	0.79	1.13	0.65	0.78	0.78	0.90	1.64	12.2	42	45
Cu	pm10	1.70	1.52	1.24	2.32	0.09	0.31	1.25	4.04	9.15	12.2	1	45
Hg	pm10	0.002	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
Ni	pm10	0.48	0.32	0.41	1.67	0.12	0.14	0.41	1.39	1.79	12.2	25	45
Pb	pm10	0.82	0.72	0.54	2.73	0.10	0.10	0.60	2.30	3.61	12.2	7	45
Zn	pm10	3.51	2.04	2.96	1.82	0.83	1.20	2.68	7.65	8.05	12.2	2	45

ES0010R Cabo de Creus
2 January 2008 - 3 january 2008

Component	matrix	Arit mean	% anal	Num bel	Num sampl
As	pm10	0.12	0.3	0	1
Cd	pm10	0.09	0.3	0	1
Cr	pm10	0.78	0.3	1	1
Cu	pm10	17.68	0.3	0	1
Hg	pm10	0.00	0.3	1	1
Ni	pm10	1.48	0.3	0	1
Pb	pm10	2.91	0.3	0	1
Zn	pm10	3.44	0.3	0	1

ES0011R Barcarrola

10 March 2008 - 4 April 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.09	0.04	0.08	1.72	0.04	0.04	0.09	0.12	0.12	1.1	0	4
Cd	pm10	0.02	0.01	0.02	1.41	0.01	0.01	0.02	0.02	0.02	1.1	0	4
Cr	pm10	0.78	0.00	0.78	1.00	0.78	0.78	0.78	0.78	0.78	1.1	4	4
Cu	pm10	7.53	4.25	6.83	1.62	4.68	4.68	5.79	13.86	13.86	1.1	0	4
Hg	pm10	0.01	0.01	0.01	2.12	0.00	0.00	0.00	0.02	0.02	1.1	0	4
Ni	pm10	0.41	0.00	0.41	1.00	0.41	0.41	0.41	0.41	0.41	1.1	4	4
Pb	pm10	1.21	0.73	1.03	2.01	0.40	0.40	1.14	2.17	2.17	1.1	0	4
Zn	pm10	3.17	1.05	3.06	1.34	2.64	2.64	2.64	4.74	4.74	1.1	3	4

ES0012R Zarra

8 February 2008 - 28 february 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.09	0.06	0.07	2.02	0.03	0.03	0.07	0.16	0.16	1.1	0	4
Cd	pm10	0.09	0.10	0.05	3.29	0.02	0.02	0.04	0.24	0.24	1.1	0	4
Cr	pm10	0.78	0.00	0.78	1.00	0.78	0.78	0.78	0.78	0.78	1.1	4	4
Cu	pm10	5.58	3.74	4.63	2.05	2.36	2.36	4.92	10.13	10.13	1.1	0	4
Hg	pm10	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.01	0.01	1.1	0	4
Ni	pm10	1.46	1.69	0.96	2.67	0.41	0.41	0.71	3.98	3.98	1.1	1	4
Pb	pm10	1.96	0.81	1.84	1.50	1.14	1.14	1.81	3.08	3.08	1.1	0	4
Zn	pm10	2.66	0.64	2.61	1.25	2.20	2.20	2.44	3.57	3.57	1.1	1	4

ES0013R Penausende

16 June 2008 - 11 July 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.07	0.06	0.06	2.42	0.02	0.02	0.07	0.14	0.14	1.1	0	4
Cd	pm10	0.01	0.01	0.01	1.41	0.01	0.01	0.01	0.02	0.02	1.1	1	4
Cr	pm10	0.78	0.00	0.78	1.00	0.78	0.78	0.78	0.78	0.78	1.1	4	4
Cu	pm10	7.39	1.88	7.20	1.31	5.01	5.01	7.61	9.34	9.34	1.1	0	4
Hg	pm10	0.00	0.00	0.00	2.23	0.00	0.00	0.00	0.01	0.01	1.1	2	4
Ni	pm10	0.41	0.00	0.41	1.00	0.41	0.41	0.41	0.41	0.41	1.1	4	4
Pb	pm10	0.53	0.56	0.33	3.24	0.10	0.10	0.35	1.32	1.32	1.1	1	4
Zn	pm10	2.84	0.40	2.82	1.14	2.64	2.64	2.64	3.43	3.43	1.1	3	4

FI0017R Virolahti II

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
Al	aerosol	95.19	147.40	51.97	3.03	1.60	8.72	47.60	357.96	1077.90	99.7	0	157
As	aerosol	0.32	0.34	0.23	2.12	0.06	0.06	0.23	0.93	3.17	99.7	15	157
Cd	aerosol	0.11	0.12	0.07	2.52	0.01	0.02	0.06	0.37	0.68	99.7	0	157
Co	aerosol	0.06	0.05	0.05	2.06	0.01	0.01	0.05	0.16	0.26	99.7	52	157
Cr	aerosol	0.31	0.36	0.17	3.39	0.02	0.03	0.20	1.06	2.29	99.7	34	157
Cu	aerosol	0.87	0.69	0.70	1.88	0.18	0.30	0.67	2.03	6.04	99.7	0	157
Fe	aerosol	85.45	106.66	52.93	2.68	2.21	11.29	46.88	303.50	752.57	99.7	1	157
Mn	aerosol	2.24	2.06	1.65	2.20	0.23	0.46	1.50	7.05	14.02	99.7	0	157
Ni	aerosol	0.98	0.75	0.71	2.45	0.03	0.13	0.79	2.34	4.37	99.7	6	157
Pb	aerosol	3.15	3.47	1.97	2.65	0.27	0.43	1.90	12.28	19.23	99.7	0	157
V	aerosol	2.01	1.57	1.50	2.18	0.17	0.38	1.58	4.64	9.57	99.7	0	157
Zn	aerosol	10.25	8.80	7.49	2.20	1.23	2.34	6.83	28.92	47.40	99.7	0	157

FI0036R Pallas (Matorova)

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
Al	aerosol	12.24	12.07	7.75	3.00	0.20	0.85	9.20	42.05	61.80	92.9	1	49
As	aerosol	0.14	0.17	0.08	2.93	0.01	0.01	0.07	0.48	1.02	92.9	8	49
Cd	aerosol	0.03	0.04	0.01	3.34	0.00	0.00	0.01	0.15	0.20	92.9	2	49
Co	aerosol	0.03	0.02	0.02	2.55	0.01	0.01	0.02	0.08	0.10	92.9	17	49
Cr	aerosol	0.08	0.08	0.05	3.07	0.01	0.01	0.05	0.30	0.33	92.9	8	49
Cu	aerosol	0.45	0.64	0.22	3.29	0.03	0.04	0.22	2.25	3.05	92.9	0	49
Fe	aerosol	15.90	15.38	12.03	2.11	2.48	3.51	11.18	37.48	98.72	92.9	0	49
Hg	aerosol	1.26	1.77	0.89	2.14	0.10	0.29	0.85	3.98	11.20	70.7	0	38
Hg	air+aerosol	1.37	0.15	1.36	1.12	1.00	1.10	1.40	1.66	1.90	24.0	0	88
Mn	aerosol	0.40	0.40	0.29	2.27	0.03	0.08	0.27	1.31	2.21	92.9	0	49
Ni	aerosol	0.54	0.72	0.23	4.13	0.01	0.02	0.24	2.58	3.40	92.9	2	49
Pb	aerosol	0.70	1.00	0.39	2.95	0.04	0.06	0.34	3.68	4.57	92.9	0	49
V	aerosol	0.54	0.82	0.27	3.25	0.04	0.05	0.23	2.05	4.60	92.9	0	49
Zn	aerosol	1.85	2.74	1.13	2.66	0.16	0.21	0.94	10.31	13.20	92.9	0	49

FI0037R Ähtäri II

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
Al	aerosol	29.49	34.72	15.86	3.08	1.80	2.52	15.95	117.13	141.00	98.3	0	52
As	aerosol	0.16	0.11	0.13	1.95	0.02	0.04	0.14	0.44	0.53	98.3	2	52
Cd	aerosol	0.05	0.05	0.03	2.24	0.01	0.01	0.03	0.17	0.23	98.3	0	52
Co	aerosol	0.04	0.03	0.03	2.42	0.01	0.01	0.03	0.11	0.14	98.3	12	52
Cr	aerosol	0.16	0.20	0.09	3.49	0.01	0.01	0.10	0.58	1.13	98.3	9	52
Cu	aerosol	0.42	0.27	0.34	1.96	0.08	0.10	0.36	1.02	1.19	98.3	0	52
Fe	aerosol	30.61	31.53	19.31	2.59	2.49	4.20	17.00	112.22	129.21	98.3	0	52
Mn	aerosol	1.29	1.65	0.83	2.40	0.12	0.20	0.79	4.68	9.18	98.3	0	52
Ni	aerosol	0.58	1.24	0.30	2.64	0.03	0.06	0.30	2.44	7.69	98.3	0	52
Pb	aerosol	1.16	1.33	0.72	2.50	0.19	0.21	0.65	4.70	5.97	98.3	0	52
V	aerosol	0.54	0.42	0.40	2.18	0.07	0.10	0.37	1.64	1.72	98.3	0	52
Zn	aerosol	4.26	3.58	3.17	2.11	0.91	1.13	2.82	13.11	16.76	98.3	0	52

FR0009R Revin

25 June 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	0.14	0.16	0.07	3.25	0.02	0.02	0.07	0.56	0.56	42.1	5	11
Cd	aerosol	0.12	0.08	0.09	3.25	0.00	0.00	0.11	0.30	0.30	42.1	1	11
Cr	aerosol	2.00	1.15	1.37	2.76	0.12	0.12	2.03	3.52	3.52	35.0	1	11
Cu	aerosol	2.39	1.39	1.79	2.83	0.11	0.11	2.32	5.44	5.44	42.1	1	11
Ni	aerosol	1.01	0.66	0.88	1.91	0.32	0.32	0.86	2.27	2.27	38.5	0	11
Pb	aerosol	5.63	3.31	3.29	5.46	0.03	0.03	6.57	10.29	10.29	42.1	1	11
Zn	aerosol	17.22	10.62	9.78	4.81	0.15	0.15	19.82	32.81	32.81	38.5	1	11

FR0013R Peyrusse Vieille

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	0.04	0.03	0.03	1.66	0.02	0.02	0.02	0.15	0.16	91.8	20	24
Cd	aerosol	0.06	0.05	0.04	3.02	0.00	0.00	0.04	0.20	0.21	91.8	4	24
Cr	aerosol	1.63	1.13	1.34	1.85	0.40	0.45	1.25	4.28	4.38	91.8	0	24
Cu	aerosol	1.65	0.68	1.52	1.52	0.54	0.61	1.48	3.25	3.33	91.8	0	24
Ni	aerosol	0.74	0.34	0.66	1.68	0.20	0.21	0.72	1.47	1.54	91.8	0	24
Pb	aerosol	2.96	1.42	2.66	1.62	0.79	0.95	2.57	6.52	6.63	91.8	0	24
Zn	aerosol	9.29	3.59	8.63	1.49	3.53	3.81	9.35	17.62	17.79	91.8	0	24

GB0013R Yarner Wood

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.39	0.33	0.29	2.25	0.02	0.11	0.25	1.23	1.33	86.6	0	48
Cd	pm10	0.08	0.10	0.04	3.46	0.01	0.01	0.04	0.27	0.55	87.0	0	48
Cr	pm10	0.99	0.73	0.66	2.92	0.10	0.12	0.97	2.50	2.60	88.7	0	48
Cu	pm10	1.55	2.00	0.69	3.89	0.06	0.06	0.66	6.56	10.05	87.0	0	48
Hg	pm10	0.67	0.61	0.34	3.88	0.04	0.04	0.37	1.61	1.62	88.5	0	22
Ni	pm10	0.88	0.98	0.37	4.74	0.03	0.03	0.58	3.02	3.65	86.4	0	47
Pb	pm10	2.15	2.23	1.27	2.97	0.18	0.19	1.33	7.79	8.89	83.1	0	46
Zn	pm10	6.44	6.70	5.03	2.09	2.60	2.97	3.31	22.00	31.25	85.3	0	47

GB0017R Heigham Holmes

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.60	0.30	0.58	1.61	0.20	0.22	0.60	1.27	1.42	41.2	0	27
Cd	pm10	0.12	0.05	0.10	1.75	0.02	0.03	0.11	0.21	0.22	40.1	0	27
Cr	pm10	1.04	0.83	0.82	2.88	0.12	0.12	1.12	2.76	2.85	39.5	0	26
Cu	pm10	2.56	2.97	2.49	2.01	0.61	0.69	2.37	12.00	12.31	40.0	0	26
Hg	air	1.62	0.17	1.58	1.11	1.47	1.47	1.59	1.71	1.71	12.2	0	2
Ni	pm10	1.34	0.88	0.83	3.56	0.03	0.03	1.05	3.10	3.34	37.2	0	25
Pb	pm10	5.67	2.66	5.76	1.55	2.54	2.55	6.63	12.26	13.22	41.2	0	27
Zn	pm10	10.48	6.28	8.63	1.93	2.97	2.97	8.83	23.06	23.18	39.1	0	25

GB0091R Banchory

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.18	0.11	0.15	1.95	0.02	0.06	0.18	0.41	0.42	78.7	0	43
Cd	pm10	0.04	0.03	0.03	2.58	0.01	0.01	0.03	0.10	0.14	83.4	0	46
Cr	pm10	0.61	0.47	0.43	2.60	0.10	0.12	0.56	1.49	1.68	82.6	0	45
Cu	pm10	0.98	4.42	0.41	3.76	0.06	0.06	0.41	4.07	30.57	87.0	0	48
Hg	air	0.86	0.41	0.69	2.13	0.09	0.09	0.90	1.35	1.35	81.6	0	19
Ni	pm10	0.19	0.22	0.10	3.32	0.03	0.03	0.08	0.70	0.88	81.0	0	45
Pb	pm10	1.33	1.45	0.88	2.75	0.16	0.18	1.01	5.57	5.94	85.4	0	47
Zn	pm10	4.33	2.74	3.84	1.58	2.29	2.57	3.02	11.63	14.41	81.7	0	45

HU0002R K-puszta

January 2008 - 24 October 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
Cd	aerosol	0.04	0.04	0.02	2.70	0.01	0.01	0.03	0.11	0.21	77.6	25	120
Pb	aerosol	1.07	0.85	0.83	2.15	0.04	0.28	0.89	2.75	6.19	78.4	7	121

IE00031 Mace head
January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
Hg	air												

IS0002R Irafoss

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
Fe	aerosol	118	230	40	351	0	10	30	460	7100	96.6	0	355

IS0091R Storhofdi

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
Al	aerosol	283.16	333.97	139.35	4.74	0.70	4.97	166.30	1314.10	1488.00	99.9	0	24
As	aerosol	0.06	0.06	0.04	2.07	0.02	0.02	0.04	0.27	0.30	99.9	0	24
Cd	aerosol	0.08	0.14	0.03	4.24	0.00	0.00	0.03	0.51	0.58	99.9	0	24
Cr	aerosol	14.79	19.75	8.69	2.77	0.74	1.17	9.99	82.50	99.68	99.9	0	24
Cu	aerosol	1.65	2.06	1.18	2.09	0.31	0.33	1.25	8.87	10.81	99.9	0	24
Fe	aerosol	634.07	673.26	440.44	2.31	142.00	146.78	391.40	2785.18	3191.70	99.9	0	24
Hg	aerosol	2.24	1.09	2.02	1.60	0.76	0.81	1.99	5.00	5.16	99.9	0	24
Mn	aerosol	9.30	10.59	6.19	2.42	1.78	1.87	5.26	43.34	50.42	99.9	0	24
Ni	aerosol	13.94	30.66	6.78	2.67	0.84	1.13	7.65	121.63	155.98	99.9	0	24
Pb	aerosol	1.90	2.92	0.83	3.17	0.21	0.21	0.63	10.63	11.29	95.5	0	23
V	aerosol	2.19	2.42	1.38	2.67	0.30	0.32	1.29	9.61	11.12	99.9	0	24
Zn	aerosol	12.89	15.52	6.44	3.16	0.95	1.09	4.32	54.03	56.19	96.3	0	23

LT0015R Preila

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	0.32	0.30	0.21	2.75	0.00	0.03	0.25	1.03	1.31	95.9	0	50
Cd	aerosol	0.10	0.09	0.07	2.34	0.01	0.01	0.09	0.29	0.48	95.9	0	50
Cr	aerosol	0.29	0.12	0.26	1.60	0.07	0.09	0.27	0.50	0.58	95.9	0	50
Cu	aerosol	1.81	0.67	1.69	1.46	0.60	0.85	1.74	3.15	3.96	95.9	0	50
Ni	aerosol	0.80	0.35	0.71	1.63	0.22	0.27	0.76	1.44	1.67	95.9	0	50
Pb	aerosol	4.85	3.51	3.87	1.97	0.90	1.25	3.95	14.01	17.50	95.9	0	50
Zn	aerosol	13.31	7.21	11.49	1.74	3.10	4.41	11.75	28.77	31.10	95.9	0	50

LV0010R Rucava

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.52	0.42	0.39	2.20	0.06	0.09	0.38	1.63	1.66	70.8	0	37
Cd	pm10	0.25	0.25	0.17	2.68	0.01	0.02	0.17	1.00	1.01	72.7	0	38
Cr	pm10	30.06	14.91	23.73	2.55	0.31	4.36	31.45	54.24	60.27	70.2	2	37
Cu	pm10	4.88	4.37	3.90	1.90	1.02	1.49	3.48	11.92	25.95	74.0	0	39
Ni	pm10	5.33	2.01	4.47	2.54	0.03	1.42	5.60	8.38	9.83	70.8	0	37
Pb	pm10	5.52	4.78	4.00	2.30	0.50	0.97	3.80	18.73	19.20	72.7	0	38
Zn	pm10	30.77	26.49	21.51	2.60	1.45	2.53	23.27	103.70	124.63	72.1	2	38
Mn	pm10	6.85	6.46	4.98	2.12	1.36	1.68	4.54	27.74	36.07	74.0	0	39

LV0016R Zoseni

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.28	0.29	0.17	3.15	0.01	0.02	0.21	1.10	1.34	89.9	15	47
Cd	pm10	0.15	0.35	0.05	4.33	0.01	0.01	0.05	0.59	2.26	84.2	9	44
Cr	pm10	32.41	20.69	24.90	2.53	0.31	5.11	30.33	84.47	99.35	88.0	2	46
Cu	pm10	3.61	2.15	3.16	1.64	1.37	1.51	2.85	9.06	10.12	89.9	0	47
Mn	pm10	7.69	8.16	5.12	2.41	0.98	1.46	4.29	28.68	40.41	89.9	0	47
Ni	pm10	8.03	6.63	6.25	2.00	1.53	1.95	5.46	24.15	34.88	89.9	0	47
Pb	pm10	2.85	2.62	1.82	3.06	0.00	0.14	2.20	9.12	11.80	89.9	0	47
Zn	pm10	13.20	7.13	11.15	1.94	0.82	2.77	12.09	29.01	36.40	89.9	0	47

NL0008R Bilthoven

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	0.60	0.55	0.45	2.13	0.18	0.18	0.49	1.47	4.11	49.2	0	180
Cd	aerosol	0.16	0.21	0.12	1.87	0.09	0.09	0.09	0.54	1.56	49.2	0	180
Ni	aerosol	2.06	1.91	1.27	3.00	0.18	0.18	1.63	5.45	12.59	49.2	0	180
Pb	aerosol	9.26	6.67	7.45	1.93	1.81	2.48	7.26	25.82	37.35	49.2	0	180
Zn	aerosol	31.39	16.84	27.11	1.77	7.25	7.25	28.26	61.72	105.44	49.2	0	180

NL0009R Kollumerwaard

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	0.40	0.49	0.29	2.00	0.18	0.18	0.18	1.08	3.95	49.2	112	180
Cd	aerosol	0.12	0.13	0.10	1.51	0.09	0.09	0.09	0.38	1.14	49.2	170	180
Ni	aerosol	2.46	1.63	1.91	2.24	0.18	0.20	2.18	5.05	12.28	49.2	9	180
Pb	aerosol	6.31	5.62	4.57	2.31	0.81	0.81	4.93	16.32	41.20	49.2	17	180
Zn	aerosol	24.52	22.69	18.29	2.12	7.25	7.25	20.20	57.05	176.09	49.2	56	180

NL0010R Vredepeel

10 September 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	0.84	0.66	0.63	2.24	0.18	0.18	0.69	2.38	2.95	15.0	0	55
Cd	aerosol	0.33	0.46	0.19	2.66	0.09	0.09	0.09	1.27	2.61	15.0	0	55
Ni	aerosol	2.04	1.64	1.23	3.20	0.18	0.18	1.72	5.22	5.67	15.0	0	55
Pb	aerosol	13.85	10.15	10.62	2.18	0.81	2.78	10.18	36.11	45.22	15.0	0	55
Zn	aerosol	49.45	40.04	39.71	1.90	7.25	15.54	36.05	138.22	227.54	15.0	0	55

NO0001R Birkenes (Matrix PM2.5 in the period 16 sept - 18 oct, EMEP intensive period)

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.21	0.16	0.18	2.15	0.04	0.04	0.21	0.52	0.82	84.7	16	81
As	pm25	0.22	0.11	0.20	1.70	0.11	0.11	0.21	0.34	0.34	9.6	0	5
Cd	pm10	0.04	0.05	0.03	2.15	0.00	0.01	0.03	0.09	0.37	84.7	10	81
Cd	pm25	0.03	0.01	0.02	1.54	0.01	0.01	0.02	0.04	0.04	9.6	0	5
Co	pm10	0.03	0.03	0.02	2.37	0.01	0.01	0.02	0.09	0.22	84.7	35	81
Co	pm25	0.01	0.01	0.01	1.76	0.01	0.01	0.01	0.02	0.02	9.6	2	5
Cr	pm10	3.92	12.52	1.10	8.50	0.04	0.04	0.82	36.43	36.97	84.7	48	81
Cr	pm25	6.13	0.45	6.12	1.08	5.43	5.43	6.22	6.60	6.60	9.6	0	5
Cu	pm10	0.93	1.10	0.66	2.47	0.05	0.15	0.68	3.66	5.77	84.7	28	81
Cu	pm25	0.29	0.18	0.25	1.75	0.14	0.14	0.22	0.59	0.59	9.6	2	5
Hg	air+aerosol	1.73	0.24	1.72	1.14	1.39	1.46	1.67	2.26	2.32	12.8	0	47
Ni	pm10	0.58	0.49	0.44	2.28	0.08	0.08	0.47	1.74	2.47	84.7	20	81
Ni	pm25	0.41	0.28	0.34	1.92	0.18	0.18	0.30	0.87	0.87	9.6	0	5
Pb	pm10	1.13	1.60	0.69	2.53	0.15	0.17	0.76	3.18	12.55	84.7	18	81
Pb	pm25	0.58	0.32	0.50	1.81	0.26	0.26	0.58	1.03	1.03	9.6	0	5
V	pm10	0.71	0.84	0.43	2.80	0.07	0.11	0.40	2.07	4.85	84.7	19	81
V	pm25	0.33	0.13	0.31	1.56	0.16	0.16	0.35	0.46	0.46	9.6	0	5
Zn	pm10	3.87	3.88	2.85	2.25	0.28	0.62	3.15	9.35	25.86	84.7	7	81
Zn	pm25	3.06	1.42	2.80	1.60	1.52	1.52	2.56	5.05	5.05	9.6	0	5

NO0042G Spitsbergen, Zeppelinfjell

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	0.05	0.07	0.02	4.31	0.00	0.00	0.02	0.20	0.34	28.1	15	52
Cd	aerosol	0.01	0.01	0.01	4.97	0.00	0.00	0.01	0.05	0.06	28.1	24	52
Co	aerosol	0.01	0.01	0.01	2.52	0.00	0.00	0.00	0.03	0.03	28.1	25	52
Cr	aerosol	0.07	0.12	0.04	2.46	0.01	0.02	0.02	0.36	0.70	28.1	48	52
Cu	aerosol	0.37	0.70	0.24	2.21	0.03	0.07	0.23	0.77	5.15	28.1	5	52
Hg	air	1.57	0.23	1.54	1.24	0.04	1.16	1.61	1.83	2.68	91.4	0	8032
Mn	aerosol	0.23	0.24	0.14	2.69	0.03	0.04	0.15	0.87	1.04	28.1	14	52
Ni	aerosol	0.07	0.09	0.05	2.56	0.01	0.02	0.03	0.25	0.52	28.1	26	52
Pb	aerosol	0.35	0.50	0.15	4.08	0.01	0.02	0.14	1.62	2.48	28.1	0	52
V	aerosol	0.08	0.07	0.05	2.97	0.01	0.01	0.07	0.24	0.27	28.1	6	52
Zn	aerosol	1.54	2.46	0.81	3.08	0.14	0.20	0.73	6.09	15.97	28.1	28	52

NO0058G Troll

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
Hg	air	0.92	0.20	0.89	1.27	0.25	0.53	0.96	1.13	2.55	92.2	0	8101

PL0005R Diabla Gora

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.43	0.45	0.31	2.46	0.00	0.00	0.30	1.50	2.10	95.6	0	50
Cd	pm10	0.15	0.13	0.14	1.75	0.00	0.00	0.10	0.45	0.70	95.6	0	50
Cr	pm10	0.44	0.36	0.34	2.10	0.04	0.08	0.34	1.09	2.22	95.6	0	50
Cu	pm10	4.85	19.22	0.85	3.73	0.10	0.20	0.70	37.76	99.90	99.5	0	52
Hg	air	1.46	0.54	1.36	1.49	0.50	0.50	1.30	2.53	2.90	14.5	4	53
Ni	pm10	0.65	0.51	0.47	2.44	0.05	0.07	0.56	1.63	2.71	95.6	0	50
Pb	pm10	5.32	4.79	3.56	2.60	0.30	0.76	3.50	16.31	21.50	95.6	0	50
Zn	pm10	20.97	15.31	15.99	2.25	0.80	4.74	15.00	57.20	72.50	95.6	0	50

SE0014R Råö

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	aerosol	0.24	0.12	0.23	1.52	0.14	0.14	0.22	0.54	0.54	100.0	0	13
Cd	aerosol	0.06	0.03	0.05	1.73	0.02	0.02	0.05	0.11	0.11	100.0	0	13
Hg	aerosol	7.58	7.07	5.78	2.05	1.20	1.61	6.05	22.04	50.20	27.3	0	100
Hg	air+aerosol	1.56	0.18	1.56	1.11	1.20	1.40	1.60	1.89	2.50	27.9	0	102
Ni	aerosol	0.98	0.56	0.86	1.74	0.28	0.28	0.89	2.49	2.49	100.0	0	13
Pb	aerosol	1.55	0.70	1.42	1.61	0.69	0.69	1.51	2.76	2.76	100.0	0	13

SI0008R Iskrba

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.43	0.23	0.41	1.38	0.36	0.36	0.36	0.95	1.89	47.0	155	172
Cd	pm10	0.11	0.09	0.09	1.73	0.07	0.07	0.07	0.26	0.57	47.0	123	172
Ni	pm10	2.50	1.98	2.12	1.65	1.60	1.65	1.65	7.10	15.60	47.0	133	172
Pb	pm10	3.88	3.85	2.94	2.10	0.60	0.60	3.05	9.28	39.90	47.0	0	172

SK0002R Chopok

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.11	0.12	0.07	2.62	0.01	0.01	0.07	0.40	0.59	83.9	0	52
Cd	pm10	0.04	0.03	0.03	2.48	0.00	0.01	0.03	0.09	0.11	85.5	0	53
Cr	pm10	0.51	0.51	0.37	2.24	0.04	0.09	0.38	1.70	2.99	83.9	0	52
Cu	pm10	0.65	0.45	0.49	2.25	0.03	0.12	0.59	1.70	2.16	85.5	0	53
Ni	pm10	0.28	0.16	0.23	1.93	0.04	0.06	0.23	0.66	0.76	83.9	0	52
Pb	pm10	1.33	0.97	0.93	2.55	0.12	0.14	1.21	3.43	3.65	85.5	0	53
Zn	pm10	4.40	2.48	3.74	1.76	0.98	1.30	3.98	9.43	13.50	85.5	0	53

SK0004R Stará Lesná

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.56	0.40	0.47	1.94	0.05	0.20	0.44	1.65	1.89	85.5	0	53
Cd	pm10	0.16	0.07	0.15	1.53	0.07	0.08	0.15	0.33	0.41	85.5	0	53
Cr	pm10	0.36	0.26	0.26	2.50	0.02	0.05	0.29	0.88	1.10	85.5	0	53
Cu	pm10	1.71	0.87	1.57	1.58	0.51	0.63	1.55	3.84	4.95	85.5	0	53
Ni	pm10	0.35	0.21	0.27	2.31	0.01	0.06	0.32	0.78	1.02	85.5	0	53
Pb	pm10	5.59	3.41	5.08	1.65	1.87	2.40	4.93	14.59	18.80	85.5	0	53
Zn	pm10	12.82	6.88	12.14	1.51	6.64	6.97	12.20	28.81	45.56	85.5	0	53

SK0006R Starina

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.48	0.25	0.42	1.76	0.09	0.14	0.45	1.02	1.17	85.5	0	53
Cd	pm10	0.22	0.11	0.20	1.60	0.08	0.09	0.19	0.51	0.54	85.5	0	53
Cr	pm10	0.62	0.41	0.51	1.86	0.10	0.18	0.48	1.53	2.19	85.5	0	53
Cu	pm10	1.56	0.81	1.40	1.64	0.25	0.56	1.53	2.63	5.82	85.5	0	53
Ni	pm10	0.51	0.27	0.44	1.83	0.07	0.14	0.48	1.11	1.18	85.5	0	53
Pb	pm10	6.54	4.08	5.60	1.77	1.58	2.02	5.27	15.27	21.51	85.5	0	53
Zn	pm10	11.66	4.75	10.90	1.51	2.97	5.30	10.56	22.10	24.57	85.5	0	53

SK0007R Topolniky

January 2008 - December 2008

Component	matrix	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
As	pm10	0.83	0.58	0.68	1.92	0.21	0.25	0.59	1.98	2.66	70.8	0	44
Cd	pm10	0.24	0.14	0.21	1.70	0.08	0.08	0.21	0.53	0.74	70.8	0	44
Cr	pm10	0.81	0.39	0.73	1.56	0.25	0.30	0.72	1.63	2.33	70.8	0	44
Cu	pm10	3.01	1.11	2.83	1.44	1.20	1.34	2.84	5.35	6.53	70.8	0	44
Ni	pm10	0.63	0.33	0.57	1.54	0.28	0.31	0.55	1.41	1.98	70.8	0	44
Pb	pm10	8.81	5.47	7.61	1.71	3.05	3.23	7.38	23.30	27.96	70.8	0	44
Zn	pm10	17.86	8.67	16.22	1.58	7.15	7.89	15.37	37.59	43.50	70.8	0	44

Annex 3

Annual statistics for POPs in precipitation

BE0014R Koksijde

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
alpha_HCH	precip	0.35	0.35	0.35	332.7	100.0	13	13
dieldrin	precip	0.20	0.20	0.20	190.1	100.0	13	13
endrin	precip	0.55	0.55	0.55	522.8	100.0	13	13
gamma_HCH	precip	0.65	0.20	3.00	622.0	100.0	5	13
heptachlor	precip	1.00	1.00	1.00	950.5	100.0	13	13
pp_DDD	precip	0.50	0.50	0.50	475.3	100.0	13	13
pp_DDE	precip	0.70	0.70	0.70	665.4	100.0	13	13
pp_DDT	precip	0.50	0.50	0.50	475.3	100.0	13	13

CZ0003R Kosetice

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
PCB_101	precip	0.050	0.050	0.050	22.7	100.0	103	103
PCB_118	precip	0.050	0.050	0.050	22.7	100.0	103	103
PCB_138	precip	0.050	0.050	0.050	22.7	100.0	103	103
PCB_153	precip	0.057	0.050	0.200	25.8	100.0	98	103
PCB_180	precip	0.050	0.050	0.050	22.7	100.0	103	103
PCB_28	precip	0.050	0.050	0.050	22.7	100.0	103	103
PCB_52	precip	0.070	0.050	0.400	31.6	100.0	86	103
acenaphthene	precip	0.53	0.05	1.90	239.7	100.0	6	103
acenaphthylene	precip	1.10	0.05	15.30	500.5	100.0	25	103
alpha_HCH	precip	0.24	0.05	5.10	108.1	100.0	65	103
benz_a_anthracene	precip	2.52	0.05	68.20	1140.2	100.0	26	103
benzo_a_pyrene	precip	1.950	0.050	62.000	883.8	100.0	20	103
benzo_b_fluoranthene	precip	4.84	0.05	81.80	2196.4	100.0	6	103
benzo_k_fluoranthene	precip	2.74	0.05	44.20	1241.7	100.0	12	103
chrysene	precip	8.73	0.20	115.50	3955.9	100.0	0	103
dibenzo_ah_anthracene	precip	0.21	0.05	3.70	95.0	100.0	74	103
fluorene	precip	3.05	0.30	13.80	1384.3	100.0	0	103
gamma_HCH	precip	0.65	0.05	2.10	292.6	100.0	15	103
inden_123cd_pyrene	precip	3.17	0.05	54.40	1435.2	100.0	13	103
phenanthrene	precip	16.57	2.10	109.10	7509.1	100.0	0	103
pp_DDD	precip	0.05	0.05	0.05	22.7	100.0	103	103
pp_DDE	precip	0.07	0.05	0.30	29.8	100.0	94	103
pp_DDT	precip	0.06	0.05	0.30	26.3	100.0	96	103
pyrene	precip	13.20	0.40	165.30	5984.8	100.0	0	103

DE0001R Westerland

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
HCB	precip	0.04	0.02	0.14	30.2	91.1	0	11
PCB_101	precip	0.101	0.041	0.881	81.4	91.1	0	11
PCB_118	precip	0.043	0.016	0.692	34.8	91.1	0	11
PCB_138	precip	0.157	0.081	1.791	126.8	91.1	0	11
PCB_153	precip	0.154	0.069	1.572	125.0	91.1	0	11
PCB_180	precip	0.044	0.025	0.550	35.5	91.1	0	11
PCB_28	precip	0.088	0.044	1.049	71.4	91.1	0	11
PCB_52	precip	0.036	0.010	0.371	29.5	91.1	0	11
alpha_HCH	precip	0.15	0.08	0.53	118.4	91.1	0	11
anthracene	precip	0.31	0.11	0.92	252.5	91.1	0	11
benz_a_anthracene	precip	1.52	0.69	7.96	1227.7	91.1	0	11
benzo_a_pyrene	precip	1.264	0.554	5.705	1023.1	91.1	0	11
benzo_bjk_fluoranthenes	precip	6.48	2.66	39.68	5242.4	91.1	0	11
benzo_ghi_perylene	precip	2.03	0.78	11.69	1646.9	91.1	0	11
chrysene_triphenylene	precip	5.02	1.63	27.35	4063.1	91.1	0	11
dibenzo_ah_anthracene	precip	0.38	0.16	2.37	309.3	91.1	0	11
dieldrin	precip	0.08	0.03	0.28	65.2	91.1	0	11
endrin	precip	0.06	0.02	0.36	48.3	91.1	0	11
fluoranthene	precip	9.89	4.55	40.55	8010.3	91.1	0	11
gamma_HCH	precip	0.63	0.26	1.09	513.4	91.1	0	11
heptachlor	precip	0.02	0.01	0.16	16.9	91.1	0	11
inden_123cd_pyrene	precip	2.25	0.69	15.13	1824.0	91.1	0	11
op_DDD	precip	0.02	0.00	0.19	17.5	91.1	0	11
op_DDE	precip	0.03	0.01	0.21	27.2	91.1	0	11
op_DDT	precip	0.03	0.01	0.33	24.3	91.1	0	11
phenanthrene	precip	8.33	3.06	31.24	6741.9	91.1	0	11
pp_DDD	precip	0.02	0.01	0.18	18.0	91.1	0	11
pp_DDE	precip	0.03	0.01	0.21	22.3	91.1	0	11
pp_DDT	precip	0.05	0.01	0.35	43.0	91.1	0	11
pyrene	precip	6.01	2.67	25.45	4865.4	91.1	0	11

DE0003R Schauinsland

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
HCB	precip	0.05	0.01	0.10	88.2	100.0	0	12
PCB_101	precip	0.209	0.029	1.121	350.5	100.0	0	12
PCB_118	precip	0.052	0.015	0.232	87.8	100.0	0	12
PCB_138	precip	0.205	0.039	0.678	343.9	100.0	0	12
PCB_153	precip	0.212	0.041	0.765	354.9	100.0	0	12
PCB_180	precip	0.082	0.015	0.268	137.1	100.0	0	12
PCB_28	precip	0.116	0.041	0.275	193.9	100.0	0	12
PCB_52	precip	0.091	0.019	0.402	151.8	100.0	0	12
alpha_HCH	precip	0.22	0.10	0.43	374.7	100.0	0	12
anthracene	precip	0.96	0.28	5.72	1610.0	100.0	0	12
benz_a_anthracen	precip	1.94	0.29	7.04	3256.0	100.0	0	12
benzo_a_pyrene	precip	1.915	0.199	6.472	3205.2	100.0	0	12
benzo_bjk_fluoranthenes	precip	9.93	0.98	36.00	16625.6	100.0	0	12
benzo_ghi_perylene	precip	3.22	0.32	12.28	5396.2	100.0	0	12
dibenzo_ah_anthracene	precip	0.52	0.06	2.03	862.3	100.0	0	12
dieldrin	precip	0.12	0.06	0.21	208.3	100.0	0	12
endrin	precip	0.03	0.01	0.07	41.7	100.0	0	12
fluoranthene	precip	22.50	3.26	76.05	37667.7	100.0	0	12
gamma_HCH	precip	1.87	0.75	3.89	3133.1	100.0	0	12
heptachlor	precip	0.01	0.00	0.02	14.3	100.0	0	12
inden_123cd_pyrene	precip	3.25	0.25	13.52	5441.3	100.0	0	12
op_DDD	precip	0.01	0.00	0.03	16.9	100.0	0	12
op_DDE	precip	0.01	0.00	0.02	14.4	100.0	0	12
op_DDT	precip	0.02	0.01	0.04	30.0	100.0	0	12
phenanthrene	precip	34.16	8.14	135.13	57169.4	100.0	0	12
pp_DDD	precip	0.01	0.00	0.03	17.9	100.0	0	12
pp_DDE	precip	0.05	0.01	0.43	78.1	100.0	0	12
pp_DDT	precip	0.04	0.01	0.08	71.1	100.0	0	12
pyrene	precip	13.33	2.02	40.04	22310.7	100.0	0	12

DE0008R Schmücke

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
HCB	precip	0.20	0.01	2.59	250.3	100.0	0	12
PCB_101	precip	0.089	0.031	0.288	108.3	100.0	0	12
PCB_118	precip	0.027	0.008	0.093	33.6	100.0	0	12
PCB_138	precip	0.114	0.040	0.441	139.0	100.0	0	12
PCB_153	precip	0.118	0.043	0.459	144.5	100.0	0	12
PCB_180	precip	0.031	0.013	0.120	38.1	100.0	0	12
PCB_28	precip	0.179	0.031	1.365	219.1	100.0	0	12
PCB_52	precip	0.089	0.008	0.766	108.7	100.0	0	12
alpha_HCH	precip	0.22	0.12	0.50	269.7	100.0	0	12
anthracene	precip	1.75	0.31	17.84	2140.6	100.0	0	12
benz_a_anthracene	precip	3.05	0.66	8.11	3722.8	100.0	0	12
benzo_a_pyrene	precip	3.155	0.616	8.486	3855.0	100.0	0	12
benzo_bjk_fluoranthenes	precip	14.46	2.04	40.90	17669.8	100.0	0	12
benzo_ghi_perylene	precip	5.16	0.58	16.82	6307.5	100.0	0	12
chrysene_triphenylene	precip	9.94	2.14	28.63	12147.2	100.0	0	12
dibenzo_ah_anthracene	precip	0.77	0.08	2.60	934.2	100.0	0	12
dieldrin	precip	0.08	0.03	0.15	95.2	100.0	0	12
endrin	precip	0.04	0.01	0.10	50.1	100.0	0	12
fluoranthene	precip	22.25	5.26	61.98	27186.5	100.0	0	12
gamma_HCH	precip	1.36	0.39	3.58	1666.0	100.0	0	12
heptachlor	precip	0.01	0.01	0.04	17.6	100.0	0	12
inden_123cd_pyrene	precip	5.02	0.49	17.03	6135.7	100.0	0	12
op_DDD	precip	0.02	0.01	0.04	21.1	100.0	0	12
op_DDE	precip	0.01	0.01	0.04	18.2	100.0	0	12
op_DDT	precip	0.04	0.01	0.19	48.3	100.0	0	12
phenanthrene	precip	124.36	8.09	1537.39	151942.3	100.0	0	12
pp_DDD	precip	0.02	0.01	0.06	27.9	100.0	0	12
pp_DDE	precip	0.05	0.01	0.24	56.4	100.0	0	12
pp_DDT	precip	0.07	0.03	0.28	92.0	100.0	0	12
pyrene	precip	15.09	4.00	39.73	18440.0	100.0	0	12

DE0009R Zingst

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
HCB	precip	0.04	0.02	0.15	21.9	100.0	0	12
PCB_101	precip	0.097	0.014	0.223	58.5	100.0	0	12
PCB_118	precip	0.035	0.006	0.106	21.3	100.0	0	12
PCB_138	precip	0.136	0.021	0.286	81.9	100.0	0	12
PCB_153	precip	0.138	0.042	0.284	83.2	100.0	0	12
PCB_180	precip	0.040	0.011	0.093	24.3	100.0	0	12
PCB_28	precip	0.104	0.047	0.193	63.1	100.0	0	12
PCB_52	precip	0.042	0.018	0.093	25.1	100.0	0	12
alpha_HCH	precip	0.20	0.13	0.34	119.5	100.0	0	12
anthracene	precip	0.59	0.14	4.23	353.8	100.0	0	12

benz_a_anthracene	precip	4.15	0.43	25.12	2503.9	100.0	0	12
benzo_a_pyrene	precip	3.404	0.287	17.491	2055.4	100.0	0	12
benzo_bjk_fluoranthenes	precip	13.88	0.88	62.65	8381.8	100.0	0	12
benzo_ghi_perylene	precip	4.04	0.41	15.25	2436.5	100.0	0	12
chrysene_triphenylene	precip	10.87	1.34	43.19	6563.4	100.0	0	12
dibenzo_ah_anthracene	precip	0.71	0.08	3.25	427.4	100.0	0	12
dieldrin	precip	0.11	0.02	0.42	66.5	100.0	0	12
endrin	precip	0.05	0.01	0.15	30.9	100.0	0	12
fluoranthene	precip	18.41	2.94	65.88	11118.1	100.0	0	12
gamma_HCH	precip	0.83	0.40	1.86	500.3	100.0	0	12
heptachlor	precip	0.02	0.01	0.05	10.2	100.0	0	12
inden_123cd_pyrene	precip	4.58	0.33	18.33	2768.1	100.0	0	12
op_DDD	precip	0.01	0.01	0.04	9.1	100.0	0	12
op_DDE	precip	0.02	0.01	0.04	9.8	100.0	0	12
op_DDT	precip	0.03	0.01	0.10	18.3	100.0	0	12
phenanthrene	precip	14.34	7.29	33.18	8657.4	100.0	0	12
pp_DDD	precip	0.03	0.01	0.07	18.6	100.0	0	12
pp_DDE	precip	0.06	0.02	0.12	34.2	100.0	0	12
pp_DDT	precip	0.15	0.07	0.40	88.9	100.0	0	12
pyrene	precip	13.13	2.13	52.72	7929.8	100.0	0	12

FI0096G Pallas (Sammaltunturi)

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
PCB_101	precip+dry_dep	0.089	0.060	0.130	1.0	21.0	0	11
PCB_118	precip+dry_dep	0.084	0.050	0.130	0.9	21.0	0	11
PCB_138	precip+dry_dep	0.117	0.070	0.190	1.3	21.0	0	11
PCB_153	precip+dry_dep	0.088	0.050	0.130	1.0	21.0	0	11
PCB_180	precip+dry_dep	0.052	0.030	0.080	0.6	21.0	0	11
PCB_28	precip+dry_dep	0.005	0.005	0.005	0.1	21.0	11	11
PCB_52	precip+dry_dep	0.124	0.080	0.210	1.4	21.0	0	11
alpha_HCH	precip+dry_dep	0.05	0.00	0.21	0.6	23.0	0	12
anthracene	precip+dry_dep	0.42	0.00	3.00	5.0	23.0	0	12
benz_a_anthracene	precip+dry_dep	3.25	0.00	23.00	39.0	23.0	0	12
benzo_a_pyrene	precip+dry_dep	4.417	0.000	27.000	53.0	23.0	0	12
benzo_b_fluoranthene	precip+dry_dep	7.83	1.00	51.00	94.0	23.0	0	12
benzo_ghi_perylene	precip+dry_dep	5.33	0.00	35.00	64.0	23.0	0	12
benzo_k_fluoranthene	precip+dry_dep	3.08	0.00	21.00	37.0	23.0	0	12
fluoranthene	precip+dry_dep	14.42	3.00	83.00	173.0	23.0	0	12
gamma_HCH	precip+dry_dep	0.07	0.01	0.21	0.8	23.0	0	12
inden_123cd_pyrene	precip+dry_dep	7.17	1.00	49.00	86.0	23.0	0	12
phenanthrene	precip+dry_dep	13.92	4.00	48.00	167.0	23.0	0	12
pyrene	precip+dry_dep	10.92	1.00	65.00	131.0	23.0	0	12

IS0091R Storhofdi

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
HCB	precip	0.01	0.01	0.02	8.4	100.0	7	24
PCB_101	precip	0.013	0.001	0.072	9.6	100.0	15	24
PCB_105	precip	0.01	0.00	0.06	6.8	100.0	19	24
PCB_118	precip	0.013	0.001	0.085	9.5	100.0	17	24
PCB_138	precip	0.021	0.003	0.121	15.5	100.0	6	24
PCB_153	precip	0.017	0.002	0.084	12.4	100.0	7	24
PCB_156	precip	0.01	0.00	0.02	3.9	100.0	22	24
PCB_180	precip	0.008	0.002	0.032	5.8	100.0	16	24
PCB_28	precip	0.013	0.006	0.057	9.6	100.0	24	24
PCB_31	precip	0.010	0.004	0.043	7.2	100.0	24	24
PCB_52	precip	0.006	0.002	0.021	4.4	100.0	22	24
alpha_HCH	precip	0.07	0.03	0.20	54.0	100.0	0	24
beta_HCH	precip	0.00	0.00	0.01	2.8	100.0	21	24
cis_CD	precip	0.00	0.00	0.01	2.5	100.0	23	24
dieldrin	precip	0.02	0.01	0.04	16.0	100.0	3	24
gamma_HCH	precip	0.03	0.01	0.13	19.6	100.0	1	24
op_DDT	precip	0.00	0.00	0.01	2.4	100.0	24	24
pp_DDD	precip	0.00	0.00	0.01	2.7	100.0	22	24
pp_DDE	precip	0.00	0.00	0.01	2.5	100.0	23	24
pp_DDT	precip	0.00	0.00	0.01	3.0	100.0	20	24
trans_CD	precip	0.00	0.00	0.01	2.4	100.0	24	24
trans_NO	precip	0.00	0.00	0.04	2.9	100.0	21	24

NL0091R De Zilk

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
gamma_HCH	precip	2.64	1.00	6.00	2540.8	100.0	0	12

NO0001R Birkenes

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
HCB	precip	0.09	0.02	0.27	150.8	100.0	0	52
PCB_101	precip	0.028	0.002	0.142	47.6	99.2	0	51
PCB_118	precip	0.023	0.002	0.146	38.3	99.2	4	51
PCB_138	precip	0.034	0.001	0.156	57.1	99.2	4	51
PCB_153	precip	0.056	0.002	0.308	94.7	99.2	1	51
PCB_180	precip	0.018	0.001	0.074	31.3	99.2	12	51
PCB_28	precip	0.017	0.002	0.069	29.2	99.2	1	51
PCB_52	precip	0.022	0.004	0.099	37.4	99.2	1	51
PCB_99	precip	0.02	0.00	0.61	35.2	100.0	5	52
alpha_HCH	precip	0.22	0.10	0.40	374.3	100.0	0	52
gamma_HCH	precip	0.41	0.11	1.48	704.0	100.0	0	52
sum_PCB	precip	0.22	0.02	2.86	372.4	100.0	0	52

PL0005R Diabla Gora

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
benz_a_anthracene	precip	16.09	3.20	44.70	8891.4	100.0	0	12
benzo_a_pyrene	precip	21.649	4.000	58.100	11959.4	100.0	0	12
benzo_b_fluoranthene	precip	42.01	7.80	121.00	23208.4	100.0	0	12
benzo_k_fluoranthene	precip	16.39	3.20	43.80	9051.8	100.0	0	12
dibenzo_ah_anthracene	precip	8.99	0.50	30.30	4964.1	100.0	1	12
inden_123cd_pyrene	precip	31.08	8.50	74.00	17169.9	100.0	0	12

SE0012R Aspvreten

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
PCB_101	precip+dry_dep	0.039	0.020	0.100	0.5	27.0	0	12
PCB_118	precip+dry_dep	0.025	0.010	0.040	0.3	27.0	0	12
PCB_138	precip+dry_dep	0.092	0.030	0.430	1.2	27.0	0	12
PCB_153	precip+dry_dep	0.083	0.010	0.540	1.1	27.0	0	12
PCB_180	precip+dry_dep	0.103	0.000	0.760	1.4	27.0	0	12
PCB_28	precip+dry_dep	0.005	0.005	0.005	0.1	27.0	12	12
PCB_52	precip+dry_dep	0.005	0.005	0.005	0.1	27.0	12	12
alpha_HCH	precip+dry_dep	0.12	0.01	0.31	1.5	27.0	0	12
anthracene	precip+dry_dep	1.50	0.00	5.00	15.0	27.0	0	12
benz_a_anthracene	precip+dry_dep	9.67	0.00	31.00	103.0	27.0	0	12
benzo_a_pyrene	precip+dry_dep	11.657	1.000	37.000	123.0	27.0	0	12
benzo_ghi_perylene	precip+dry_dep	17.82	1.00	58.00	194.0	27.0	0	12
benzo_k_fluoranthene	precip+dry_dep	10.15	0.00	38.00	113.0	27.0	0	12
fluoranthene	precip+dry_dep	35.97	2.00	110.00	402.0	27.0	0	12
gamma_HCH	precip+dry_dep	0.24	0.01	1.30	3.0	27.0	0	12
inden_123cd_pyrene	precip+dry_dep	19.00	0.00	70.00	207.0	27.0	0	12
phenanthrene	precip+dry_dep	22.14	2.00	58.00	252.0	27.0	0	12
pyrene	precip+dry_dep	25.59	1.00	74.00	282.0	27.0	0	12

SE0014R Råö

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
PCB_101	precip+dry_dep	0.130	0.080	0.190	1.6	98.9	0	12
PCB_101	precip+dry_dep	0.130	0.080	0.190	1.6	98.9	0	12
PCB_118	precip+dry_dep	0.159	0.090	0.320	1.9	98.9	0	12
PCB_118	precip+dry_dep	0.159	0.090	0.320	1.9	98.9	0	12
PCB_138	precip+dry_dep	0.354	0.130	0.520	4.2	98.9	0	12
PCB_138	precip+dry_dep	0.354	0.130	0.520	4.2	98.9	0	12
PCB_153	precip+dry_dep	0.254	0.100	0.480	3.0	98.9	0	12
PCB_180	precip+dry_dep	0.221	0.070	0.370	2.6	98.9	0	12
PCB_180	precip+dry_dep	0.221	0.070	0.370	2.6	98.9	0	12
PCB_28	precip+dry_dep	0.005	0.005	0.005	0.1	98.9	12	12
PCB_28	precip+dry_dep	0.005	0.005	0.005	0.1	98.9	12	12
PCB_52	precip+dry_dep	0.058	0.005	0.250	0.7	98.9	2	12
PCB_52	precip+dry_dep	0.058	0.005	0.250	0.7	98.9	2	12
alpha_HCH	precip+dry_dep	0.12	0.02	0.25	1.4	98.9	0	12
anthracene	precip+dry_dep	0.77	0.00	5.00	10.0	98.9	0	12
benz_a_anthracene	precip+dry_dep	4.34	0.00	32.00	55.0	98.9	0	12
benzo_a_pyrene	precip+dry_dep	5.801	1.000	38.000	73.0	98.9	0	12
benzo_b_fluoranthene	precip+dry_dep	10.89	1.00	69.00	138.0	98.9	0	12
benzo_ghi_perylene	precip+dry_dep	6.22	1.00	41.00	79.0	98.9	0	12
benzo_k_fluoranthene	precip+dry_dep	4.49	1.00	29.00	57.0	98.9	0	12
fluoranthene	precip+dry_dep	21.77	3.00	92.00	275.0	98.9	0	12
gamma_HCH	precip+dry_dep	0.35	0.05	0.86	4.3	98.9	0	12
inden_123cd_pyrene	precip+dry_dep	9.17	1.00	67.00	117.0	98.9	0	12
phenanthrene	precip+dry_dep	16.21	3.00	55.00	204.0	98.9	0	12
pyrene	precip+dry_dep	14.81	2.00	76.00	187.0	98.9	0	12

SI0008R Iskrba

January 2008 - December 2008

Component	matrix	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl
benz_a_anthracene	precip+dry_dep	0.02	0.00	0.23	0.9	75.3	11	40
benzo_a_pyrene	precip+dry_dep	0.030	0.002	0.264	1.2	75.3	7	40
benzo_bjk_fluoranthenes	precip+dry_dep	0.11	0.00	1.14	4.4	75.3	3	40
dibenzo_ah_anthracene	precip+dry_dep	0.01	0.00	0.08	0.5	75.3	24	40
inden_123cd_pyrene	precip+dry_dep	0.08	0.00	0.89	3.0	75.3	9	40

Annex 4

Annual statistics for POPs in air

CZ0003R Kosetice

January 2008 - December 2008, matrix air+aerosol

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
HCB	66.61	30.43	56.37	2.21	0.50	19.14	60.60	135.82	167.00	14.4	1	53
PCB_101	2.837	2.557	1.766	2.807	0.500	0.500	1.900	8.220	9.100	14.4	17	53
PCB_118	0.968	0.694	0.781	1.868	0.500	0.500	0.500	2.330	3.000	14.4	34	53
PCB_28	6.822	3.810	5.425	2.207	0.500	0.500	6.700	13.370	15.200	14.4	3	53
PCB_52	6.856	3.767	5.618	2.014	0.500	1.570	6.500	13.190	16.100	14.4	1	53
acenaphthene	0.26	0.30	0.16	2.70	0.03	0.03	0.17	0.92	1.61	14.4	0	53
anthracene	0.15	0.17	0.09	2.80	0.02	0.02	0.09	0.61	0.80	14.4	0	53
benz_a_anthracene	0.23	0.33	0.08	5.71	0.00	0.00	0.13	0.82	1.89	14.4	4	53
benzo_a_pyrene	0.270	0.338	0.085	7.076	0.002	0.002	0.147	1.008	1.533	14.4	7	53
benzo_b_fluoranthene	0.45	0.58	0.19	5.15	0.00	0.01	0.30	1.73	2.88	14.4	1	53
benzo_k_fluoranthene	0.21	0.28	0.08	5.54	0.00	0.00	0.13	0.79	1.44	14.4	4	53
fluoranthene	1.82	1.64	1.23	2.55	0.24	0.28	1.23	5.16	7.80	14.4	0	53
fluorene	2.49	2.55	1.60	2.61	0.25	0.41	1.48	8.40	11.99	14.4	0	53
phenanthrene	5.55	4.73	3.95	2.34	0.94	1.16	4.11	16.04	19.18	14.4	0	53
pyrene	1.16	1.09	0.74	2.76	0.10	0.14	0.78	3.37	5.12	14.4	0	53

DE0001R Westerland

January 2008 - December 2008, matrix air+aerosol

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
alpha_HCH	8.34	4.31	7.37	1.69	3.30	3.30	7.50	17.60	17.60	96.7	0	12
anthracene	0.08	0.04	0.07	1.80	0.02	0.02	0.08	0.18	0.18	96.7	0	12
benz_a_anthracene	0.11	0.18	0.04	3.90	0.01	0.01	0.03	0.53	0.53	96.7	0	12
benzo_a_pyrene	0.114	0.172	0.044	4.147	0.005	0.005	0.031	0.494	0.494	96.7	0	12
benzo_bjk_fluoranthenes	0.45	0.63	0.20	3.72	0.04	0.04	0.18	1.81	1.81	96.7	0	12
benzo_ghi_perylene	0.16	0.21	0.08	3.36	0.02	0.02	0.07	0.60	0.60	96.7	0	12
chrysene_triphenylene	0.24	0.32	0.13	3.06	0.03	0.03	0.12	0.95	0.95	96.7	0	12
dibenzo_ah_anthracene	0.03	0.04	0.01	3.91	0.00	0.00	0.01	0.11	0.11	96.7	0	12
fluoranthene	0.96	0.62	0.79	1.92	0.29	0.29	0.75	2.21	2.21	96.7	0	12
gamma_HCH	10.98	6.96	9.34	1.77	4.00	4.00	8.20	25.60	25.60	96.7	0	12
inden_123cd_pyrene	0.18	0.24	0.09	3.53	0.02	0.02	0.08	0.70	0.70	96.7	0	12
phenanthrene	3.03	1.57	2.63	1.78	0.91	0.91	3.08	6.46	6.46	96.7	0	12
pyrene	0.51	0.39	0.41	1.93	0.19	0.19	0.34	1.33	1.33	96.7	0	12

DE0003R Schauinsland

January 2008 - December 2008, matrix air+aerosol

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
anthracene	0.03	0.03	0.02	3.09	0.00	0.00	0.02	0.07	0.07	96.7	0	12
benz_a_anthracene	0.04	0.06	0.02	2.79	0.01	0.01	0.02	0.22	0.22	96.7	0	12
benzo_a_pyrene	0.050	0.060	0.032	2.497	0.011	0.011	0.031	0.224	0.224	96.7	0	12
benzo_bjk_fluoranthenes	0.19	0.21	0.12	2.42	0.04	0.04	0.12	0.79	0.79	96.7	0	12
benzo_ghi_perylene	0.08	0.08	0.06	2.30	0.02	0.02	0.06	0.30	0.30	96.7	0	12
chrysene_triphenylene	0.09	0.12	0.06	2.51	0.02	0.02	0.05	0.43	0.43	96.7	0	12
dibenzo_ah_anthracene	0.01	0.01	0.01	2.66	0.00	0.00	0.01	0.05	0.05	96.7	0	12
fluoranthene	0.39	0.30	0.33	1.67	0.19	0.19	0.29	1.28	1.28	96.7	0	12
inden_123cd_pyrene	0.08	0.09	0.06	2.45	0.01	0.01	0.06	0.34	0.34	96.7	0	12
phenanthrene	1.64	0.68	1.52	1.48	0.73	0.73	1.55	3.26	3.26	96.7	0	12
pyrene	0.23	0.20	0.19	1.75	0.12	0.12	0.15	0.83	0.83	96.7	0	12

DE0008R Schmücke

January 2008 - December 2008, matrix air+aerosol

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
anthracene	0.06	0.03	0.06	1.86	0.01	0.01	0.06	0.12	0.12	96.7	0	12
benz_a_anthracene	0.10	0.12	0.06	3.08	0.01	0.01	0.06	0.40	0.40	96.7	0	12
benzo_a_pyrene	0.117	0.123	0.075	2.595	0.023	0.023	0.069	0.365	0.365	96.7	0	12
benzo_bjk_fluoranthenes	0.44	0.42	0.27	3.09	0.03	0.03	0.34	1.35	1.35	96.7	0	12
benzo_ghi_perylene	0.17	0.16	0.12	2.78	0.02	0.02	0.14	0.48	0.48	96.7	0	12
chrysene_triphenylene	0.23	0.23	0.15	2.91	0.02	0.02	0.17	0.79	0.79	96.7	0	12
dibenzo_ah_anthracene	0.03	0.03	0.02	2.91	0.00	0.00	0.02	0.09	0.09	96.7	0	12
fluoranthene	0.77	0.65	0.60	2.07	0.22	0.22	0.62	2.50	2.50	96.7	0	12
inden_123cd_pyrene	0.19	0.18	0.12	2.91	0.02	0.02	0.14	0.55	0.55	96.7	0	12
phenanthrene	3.27	2.23	2.71	1.87	1.14	1.14	2.55	8.76	8.76	96.7	0	12
pyrene	0.46	0.40	0.35	2.17	0.11	0.11	0.39	1.54	1.54	96.7	0	12

DE0009R Zingst

January 2008 - December 2008, matrix air+aerosol

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
alpha_HCH	8.94	4.49	8.04	1.59	4.50	4.50	7.45	17.50	17.50	96.7	0	12
anthracene	0.06	0.08	0.04	2.30	0.02	0.02	0.04	0.31	0.31	96.7	0	12
benz_a_anthracene	0.19	0.45	0.05	4.56	0.01	0.01	0.04	1.59	1.59	96.7	0	12
benzo_a_pyrene	0.196	0.420	0.062	4.013	0.014	0.014	0.054	1.504	1.504	96.7	0	12
benzo_bjk_fluoranthenes	0.68	1.22	0.27	3.87	0.05	0.05	0.25	4.44	4.44	96.7	0	12
benzo_ghi_perylene	0.25	0.39	0.12	3.45	0.03	0.03	0.11	1.44	1.44	96.7	0	12
chrysene_triphenylene	0.34	0.61	0.12	4.82	0.01	0.01	0.16	2.22	2.22	96.7	0	12
dibenzo_ah_anthracene	0.05	0.08	0.02	3.78	0.00	0.00	0.02	0.30	0.30	96.7	0	12
fluoranthene	0.95	1.31	0.55	2.73	0.19	0.19	0.60	4.91	4.91	96.7	0	12
gamma_HCH	12.06	4.65	11.28	1.47	6.40	6.40	12.30	21.80	21.80	96.7	0	12
inden_123cd_pyrene	0.28	0.46	0.12	3.65	0.02	0.02	0.11	1.68	1.68	96.7	0	12
phenanthrene	3.13	3.48	2.15	2.29	0.91	0.91	1.90	13.11	13.11	96.7	0	12
pyrene	0.62	0.92	0.34	2.81	0.10	0.10	0.38	3.41	3.41	96.7	0	12

EE0009R Lahemaa

January 2008 - December 2008, matrix air+aerosol

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
benzo_a_pyrene	0.170	0.309	0.049	5.591	0.002	0.003	0.070	0.810	1.800	94.3	0	51

ES0007R Viznar

22 April 2008 - 17 May 2008, matrix pm10

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
acenaphthene	0.01	0.00	0.01	1.00	0.01	0.01	0.01	0.01	0.01	1.1	4	4
acenaphthylene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
anthracene	0.00	0.00	0.00	1.49	0.00	0.00	0.00	0.00	0.00	1.1	0	4
benzo_a_anthracene	0.01	0.00	0.00	2.10	0.00	0.00	0.00	0.01	0.01	1.1	3	4
benzo_a_pyrene	0.009	0.013	0.005	3.109	0.003	0.003	0.003	0.029	0.029	1.1	3	4
benzo_b_fluoranthene	0.01	0.01	0.01	2.00	0.00	0.00	0.00	0.01	0.01	1.1	3	4
benzo_ghi_perylene	0.01	0.02	0.01	2.87	0.00	0.00	0.00	0.04	0.04	1.1	3	4
benzo_k_fluoranthene	0.01	0.01	0.01	1.94	0.01	0.01	0.01	0.02	0.02	1.1	0	4
chrysene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
dibenzo_ah_anthracene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
fluorene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
inden_123cd_pyrene	0.01	0.01	0.01	2.36	0.00	0.00	0.00	0.03	0.03	1.1	3	4
phenanthrene	0.00	0.00	0.00	3.20	0.00	0.00	0.00	0.01	0.01	1.1	2	4
pyrene	0.01	0.01	0.01	1.68	0.01	0.01	0.01	0.01	0.01	1.1	0	4

ES0008R Niembro

16 February 2008 - December 2008, matrix pm10

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
acenaphthene	0.01	0.01	0.01	2.09	0.01	0.01	0.01	0.03	0.03	10.7	21	39
acenaphthylene	0.01	0.00	0.01	1.67	0.00	0.00	0.00	0.01	0.01	10.7	21	39
anthracene	0.00	0.00	0.00	1.98	0.00	0.00	0.00	0.01	0.01	10.7	37	39
benz_a_anthracene	0.04	0.10	0.01	4.05	0.00	0.00	0.01	0.22	0.60	10.7	16	39
benzo_a_pyrene	0.148	0.571	0.016	5.604	0.003	0.003	0.014	1.159	3.426	10.7	13	39
benzo_b_fluoranthene	0.04	0.07	0.01	3.61	0.00	0.00	0.01	0.24	0.35	10.7	13	39
benzo_ghi_perylene	0.07	0.23	0.01	4.19	0.00	0.00	0.01	0.51	1.34	10.7	16	39
benzo_k_fluoranthene	0.07	0.21	0.01	4.53	0.00	0.00	0.01	0.48	1.27	10.7	5	39
dibenzo_ah_anthracene	0.02	0.05	0.01	2.71	0.00	0.00	0.01	0.13	0.30	10.7	18	39
fluorene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	10.7	39	39
inden_123cd_pyrene	0.05	0.16	0.01	3.78	0.00	0.00	0.01	0.26	0.97	10.7	16	39
phenanthrene	0.01	0.02	0.00	3.87	0.00	0.00	0.00	0.05	0.10	10.7	27	39
pyrene	0.03	0.11	0.01	5.00	0.00	0.00	0.01	0.16	0.65	10.7	11	39

ES0009R Campisabalos

20 August 2008 - 14 September 2008, matrix pm10

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
acenaphthene	0.01	0.00	0.01	1.00	0.01	0.01	0.01	0.01	0.01	1.1	4	4
acenaphthylene	0.01	0.01	0.01	2.39	0.00	0.00	0.00	0.02	0.02	1.1	3	4
anthracene	0.00	0.00	0.00	2.10	0.00	0.00	0.00	0.00	0.00	1.1	1	4
benz_a_anthracene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
benzo_a_pyrene	0.003	0.000	0.003	1.000	0.003	0.003	0.003	0.003	0.003	1.1	4	4
benzo_b_fluoranthene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
benzo_ghi_perylene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
benzo_k_fluoranthene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
chrysene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
dibenzo_ah_anthracene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
fluorene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
inden_123cd_pyrene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
phenanthrene	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.01	0.01	1.1	3	4
pyrene	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.01	0.01	1.1	3	4

ES0010R Cabo de Creus

3 January 2008 - 4 january 2008, matrix pm10

Component	Arit mean	Num sampl
acenaphthene	0.03	1
acenaphthylene	0.01	1
anthracene	0.00	1
benzo_a_anthracene	0.01	1
benzo_a_pyrene	0.009	1
benzo_b_fluoranthene	0.01	1
benzo_ghi_perylene	0.01	1
benzo_k_fluoranthene	0.01	1
chrysene	0.01	1
dibenzo_ah_anthracene	0.01	1
fluorene	0.00	1
inden_123cd_pyrene	0.01	1
phenanthrene	0.00	1
pyrene	0.00	1

ES0011R Barcarrola

11 March 2008 - 5 April 2008, matrix pm10

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
acenaphthene	0.02	0.00	0.02	1.04	0.02	0.02	0.02	0.02	0.02	1.1	0	4
acenaphthylene	0.01	0.00	0.01	1.11	0.01	0.01	0.01	0.01	0.01	1.1	0	4
anthracene	0.00	0.00	0.00	1.49	0.00	0.00	0.00	0.00	0.00	1.1	2	4
benzo_a_anthracene	0.01	0.00	0.01	1.21	0.01	0.01	0.01	0.01	0.01	1.1	0	4
benzo_a_pyrene	0.009	0.003	0.009	1.371	0.006	0.006	0.009	0.013	0.013	1.1	0	4
benzo_b_fluoranthene	0.01	0.00	0.01	1.17	0.01	0.01	0.01	0.01	0.01	1.1	0	4
benzo_ghi_perylene	0.01	0.00	0.01	1.21	0.01	0.01	0.01	0.01	0.01	1.1	0	4
benzo_k_fluoranthene	0.01	0.00	0.01	1.21	0.00	0.00	0.01	0.01	0.01	1.1	0	4
chrysene	0.01	0.00	0.01	1.21	0.00	0.00	0.01	0.01	0.01	1.1	0	4
dibenzo_ah_anthracene	0.01	0.00	0.01	1.06	0.01	0.01	0.01	0.01	0.01	1.1	0	4
fluorene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	0	4
inden_123cd_pyrene	0.01	0.00	0.01	1.17	0.01	0.01	0.01	0.01	0.01	1.1	0	4
phenanthrene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	0	4
pyrene	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00	0.00	1.1	0	4

ES0012R Zarra

9 February 2008 - 29 February 2008, matrix pm10

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
acenaphthene	0.03	0.00	0.03	1.02	0.02	0.02	0.03	0.03	0.03	1.1	0	4
acenaphthylene	0.01	0.00	0.01	1.00	0.01	0.01	0.01	0.01	0.01	1.1	0	4
anthracene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
benz_a_anthracene	0.01	0.00	0.01	1.13	0.01	0.01	0.01	0.01	0.01	1.1	0	4
benzo_a_pyrene	0.009	0.001	0.009	1.095	0.008	0.008	0.009	0.010	0.010	1.1	0	4
benzo_b_fluoranthene	0.01	0.00	0.01	1.11	0.01	0.01	0.01	0.01	0.01	1.1	0	4
benzo_ghi_perylene	0.01	0.00	0.01	1.11	0.01	0.01	0.01	0.01	0.01	1.1	0	4
benzo_k_fluoranthene	0.01	0.00	0.00	1.97	0.00	0.00	0.01	0.01	0.01	1.1	1	4
chrysene	0.01	0.00	0.01	1.12	0.01	0.01	0.01	0.01	0.01	1.1	0	4
dibenzo_ah_anthracene	0.01	0.00	0.01	1.04	0.01	0.01	0.01	0.01	0.01	1.1	0	4
fluorene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
inden_123cd_pyrene	0.01	0.00	0.01	1.09	0.01	0.01	0.01	0.02	0.02	1.1	0	4
phenanthrene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
pyrene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4

ES0013R Penausende

17 June 2008 - 12 July 2008, matrix pm10

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
acenaphthene	0.01	0.00	0.01	1.00	0.01	0.01	0.01	0.01	0.01	1.1	4	4
acenaphthylene	0.01	0.01	0.01	2.56	0.00	0.00	0.00	0.02	0.02	1.1	3	4
anthracene	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.01	0.01	1.1	0	4
benz_a_anthracene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
benzo_a_pyrene	0.003	0.000	0.003	1.000	0.003	0.003	0.003	0.003	0.003	1.1	4	4
benzo_b_fluoranthene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
benzo_ghi_perylene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
benzo_k_fluoranthene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
dibenzo_ah_anthracene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
fluorene	0.00	0.00	0.00	2.45	0.00	0.00	0.00	0.00	0.00	1.1	3	4
inden_123cd_pyrene	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.1	4	4
phenanthrene	0.01	0.01	0.00	4.98	0.00	0.00	0.00	0.03	0.03	1.1	2	4
pyrene	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.01	0.01	1.1	3	4

FI0096G Pallas (Sammaltunturi)

January 2008 - December 2008, matrix air+aerosol

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
PCB_101	0.817	0.631	0.671	1.836	0.360	0.360	0.525	2.500	2.500	23.0	0	12
PCB_118	0.217	0.122	0.190	1.702	0.086	0.086	0.160	0.470	0.470	23.0	0	12
PCB_138	0.214	0.118	0.190	1.643	0.100	0.100	0.175	0.500	0.500	23.0	0	12
PCB_153	0.243	0.128	0.216	1.664	0.100	0.100	0.195	0.540	0.540	23.0	0	12
PCB_180	0.022	0.012	0.019	1.667	0.009	0.009	0.018	0.051	0.051	23.0	0	12
PCB_28	1.444	1.356	1.136	1.917	0.510	0.510	1.025	5.500	5.500	23.0	0	12
PCB_52	2.048	1.861	1.606	1.946	0.680	0.680	1.400	7.400	7.400	23.0	0	12
alpha_HCH	4.25	1.54	4.02	1.42	2.00	2.00	4.00	8.00	8.00	23.0	0	12
anthracene	0.00	0.00	0.00	1.81	0.00	0.00	0.00	0.01	0.01	23.0	0	12
benz_a_anthracene	0.04	0.08	0.01	6.37	0.00	0.00	0.00	0.24	0.24	21.0	0	11
benzo_a_pyrene	0.005	0.006	0.003	2.878	0.000	0.000	0.003	0.020	0.020	23.0	0	12
benzo_b_fluoranthene	0.01	0.01	0.01	2.50	0.00	0.00	0.01	0.03	0.03	23.0	0	12
benzo_ghi_perylene	0.01	0.01	0.00	3.00	0.00	0.00	0.00	0.02	0.02	23.0	1	12
benzo_k_fluoranthene	0.00	0.00	0.00	2.08	0.00	0.00	0.00	0.01	0.01	23.0	0	12
chrysene_triphenylene	0.04	0.05	0.02	2.99	0.01	0.01	0.02	0.16	0.16	21.0	0	11
fluoranthene	0.09	0.07	0.07	2.03	0.02	0.02	0.06	0.26	0.26	23.0	0	12
gamma_HCH	1.42	0.52	1.33	1.43	1.00	1.00	1.00	2.00	2.00	23.0	0	12
inden_123cd_pyrene	0.01	0.01	0.01	3.09	0.00	0.00	0.01	0.03	0.03	23.0	1	12
phenanthrene	0.36	0.26	0.29	1.91	0.10	0.10	0.24	0.96	0.96	23.0	0	12
pp_DDD	0.14	0.37	0.03	5.79	0.01	0.01	0.04	1.30	1.30	23.0	5	12
pp_DDE	0.54	0.48	0.38	2.44	0.12	0.12	0.35	1.40	1.40	23.0	0	12
pp_DDT	0.25	0.07	0.24	1.34	0.13	0.13	0.24	0.34	0.34	23.0	0	12
pyrene	0.04	0.03	0.04	1.86	0.01	0.01	0.04	0.10	0.10	23.0	0	12

GB0014R High Muffles

January 2008 - December 2008, matrix air+aerosol

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
PCB_101	0.251	0.356	0.097	5.880	0.020	0.020	0.070	0.660	0.660	75.0	0	3
PCB_118	0.802	0.836	0.550	2.854	0.230	0.230	0.410	1.760	1.760	75.0	0	3
PCB_138	0.748	0.598	0.589	2.375	0.250	0.250	0.580	1.410	1.410	75.0	0	3
PCB_153	0.672	0.571	0.413	4.242	0.080	0.080	0.720	1.220	1.220	75.0	0	3
PCB_180	0.060	0.053	0.046	2.468	0.020	0.020	0.040	0.120	0.120	75.0	0	3
PCB_28	2.325	2.157	0.609	19.473	0.020	0.020	2.630	4.300	4.300	75.0	0	3
PCB_52	1.877	0.894	1.698	1.795	0.870	0.870	2.180	2.580	2.580	75.0	0	3
anthanthrene	0.01	0.01	0.01	2.15	0.00	0.00	0.01	0.03	0.03	100.0	0	12
benz_a_anthracene	0.08	0.07	0.06	2.73	0.01	0.01	0.07	0.24	0.24	100.0	0	12
benzo_a_pyrene	0.147	0.152	0.094	2.824	0.021	0.021	0.111	0.540	0.540	100.0	0	12
benzo_bjk_fluoranthenes	0.31	0.27	0.23	2.24	0.09	0.09	0.20	0.84	0.84	100.0	0	12
benzo_e_pyrene	0.15	0.13	0.09	4.88	0.00	0.00	0.10	0.42	0.42	100.0	0	12
benzo_ghi_perylene	0.13	0.10	0.10	2.15	0.04	0.04	0.09	0.32	0.32	100.0	0	12
benzo_k_fluoranthene	0.07	0.06	0.05	2.14	0.02	0.02	0.04	0.17	0.17	100.0	0	12
chrysene	0.17	0.14	0.12	2.40	0.03	0.03	0.15	0.45	0.45	100.0	0	12
coronene	0.05	0.04	0.04	2.21	0.01	0.01	0.03	0.13	0.13	100.0	0	12
cyclopenta_cd_pyrene	0.03	0.03	0.02	2.52	0.01	0.01	0.02	0.08	0.08	100.0	0	12
dibenzo_ae_pyrene	0.00	0.00-9999.99-9999.99			0.00	0.00	0.00	0.00	0.00	100.0	0	12
dibenzo_ah_anthracene	0.03	0.03	0.02	2.41	0.01	0.01	0.02	0.09	0.09	100.0	0	12
dibenzo_ah_pyrene	0.00	0.00-9999.99-9999.99			0.00	0.00	0.00	0.00	0.00	100.0	0	12
dibenzo_ai_pyrene	0.00	0.00	0.00-9999.99		0.00	0.00	0.00	0.00	0.00	100.0	0	12
inden_123cd_pyrene	0.14	0.11	0.11	2.08	0.05	0.05	0.10	0.37	0.37	100.0	0	12
perylene	0.02	0.01	0.02	1.93	0.01	0.01	0.02	0.05	0.05	100.0	0	12

IS0091R Storhofdi

January 2008 - December 2008, matrix air+aerosol

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
HCB	6.60	2.69	6.20	1.46	3.49	3.54	6.37	12.51	12.62	99.6	0	24
PCB_101	2.169	1.332	1.714	2.111	0.377	0.412	1.608	4.583	4.751	99.6	0	24
PCB_105	0.10	0.01	0.10	1.06	0.09	0.09	0.10	0.12	0.12	99.6	24	24
PCB_118	0.383	0.220	0.310	2.022	0.095	0.096	0.331	0.738	0.745	99.6	5	24
PCB_138	0.182	0.106	0.156	1.724	0.089	0.091	0.104	0.396	0.398	99.6	14	24
PCB_153	0.396	0.212	0.332	1.959	0.095	0.096	0.417	0.797	0.837	99.6	4	24
PCB_156	0.10	0.01	0.10	1.06	0.09	0.09	0.10	0.12	0.12	99.6	24	24
PCB_180	0.116	0.070	0.108	1.359	0.089	0.091	0.102	0.363	0.442	99.6	23	24
PCB_28	3.266	1.688	2.876	1.667	1.428	1.429	2.798	6.794	6.828	99.6	0	24
PCB_31	2.321	1.141	2.075	1.608	1.050	1.075	1.742	4.733	4.848	99.6	0	24
PCB_52	3.174	1.513	2.772	1.743	0.887	0.937	3.068	5.768	5.816	99.6	0	24
alpha_HCH	5.28	1.14	5.14	1.27	2.62	2.76	5.45	7.57	7.83	99.6	0	24
beta_HCH	0.52	0.37	0.37	2.48	0.10	0.10	0.47	1.15	1.16	99.6	6	24
cis_CD	0.40	0.05	0.40	1.14	0.31	0.31	0.40	0.48	0.48	99.6	0	24
dieldrin	0.87	0.23	0.85	1.28	0.54	0.54	0.86	1.47	1.55	99.6	0	24
gamma_HCH	5.08	3.19	3.99	2.10	1.32	1.37	5.64	10.63	10.94	99.6	0	24
op_DDT	0.10	0.01	0.10	1.06	0.09	0.09	0.10	0.12	0.12	99.6	24	24
pp_DDD	0.10	0.01	0.10	1.06	0.09	0.09	0.10	0.12	0.12	99.6	24	24
pp_DDE	0.21	0.13	0.18	1.80	0.09	0.09	0.21	0.54	0.55	99.6	11	24
pp_DDT	0.11	0.04	0.11	1.31	0.09	0.09	0.10	0.27	0.29	99.6	22	24
trans_CD	0.17	0.07	0.16	1.54	0.10	0.10	0.17	0.29	0.29	99.6	10	24
trans_NO	0.34	0.08	0.33	1.27	0.21	0.22	0.34	0.54	0.55	99.6	0	24

LV0010R Rucava

January 2008 - December 2008, matrix aerosol

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
benzo_a_pyrene	0.106	0.193	0.028	5.490	0.005	0.005	0.030	0.640	0.640	91.5	4	11

LV0016R Zoseni

January 2008 - December 2008, matrix aerosol

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
benzo_a_pyrene	0.095	0.070	0.066	2.733	0.012	0.012	0.074	0.215	0.215	100.0	0	12

NO0001R Birkenes

January 2008 - December 2008, PAHs from 27th of May, matrix air+aerosol

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
HCB	85.54	25.47	82.17	1.33	42.05	55.95	78.65	136.21	156.13	15.0	0	55
N1methylnaphtalene	0.18	0.25	0.12	2.34	0.03	0.04	0.10	0.68	1.50	14.9	0	54
N1methylphenanthrene	0.06	0.18	0.04	2.05	0.01	0.01	0.03	0.12	1.35	14.9	0	54
N2methylanthracene	0.01	0.02	0.01	1.65	0.01	0.01	0.01	0.06	0.11	14.9	46	54
N2methylnaphtalene	0.28	0.34	0.20	2.19	0.05	0.06	0.17	0.91	2.18	14.9	0	54
N2methylphenanthrene	0.07	0.09	0.06	1.82	0.02	0.02	0.06	0.18	0.57	14.9	0	54
N3methylphenanthrene	0.06	0.06	0.05	1.77	0.01	0.02	0.04	0.14	0.35	14.9	0	54
N9methylphenanthrene	0.04	0.06	0.03	1.80	0.01	0.02	0.03	0.11	0.44	14.9	1	54
PCB_101	0.963	0.671	0.773	1.953	0.164	0.291	0.767	2.378	3.014	15.0	0	55
PCB_118	0.316	0.258	0.237	2.143	0.049	0.074	0.206	0.921	1.182	15.0	0	55
PCB_138	0.408	0.324	0.303	2.201	0.052	0.085	0.290	1.164	1.175	15.0	0	55
PCB_153	0.633	0.472	0.482	2.134	0.085	0.146	0.470	1.676	1.860	15.0	0	55
PCB_180	0.172	0.151	0.124	2.244	0.024	0.037	0.126	0.537	0.684	15.0	0	55
PCB_28	1.911	1.355	1.576	1.817	0.632	0.671	1.398	4.397	7.231	15.0	0	55
PCB_52	1.713	1.173	1.408	1.849	0.456	0.612	1.281	4.001	5.909	15.0	0	55
PCB_99	0.34	0.27	0.26	2.06	0.05	0.09	0.24	0.92	1.19	15.0	0	55
acenaphthene	0.25	0.20	0.21	1.84	0.05	0.07	0.21	0.68	1.13	14.9	0	54
acenaphthylene	0.04	0.05	0.02	2.53	0.01	0.01	0.02	0.17	0.24	14.9	13	54
alpha_HCH	9.08	3.30	8.48	1.47	2.45	4.42	9.44	15.53	20.78	15.0	0	55
anthanthrene	0.02	0.01	0.02	1.45	0.01	0.01	0.02	0.02	0.12	14.9	51	54
anthracene	0.03	0.09	0.02	2.31	0.01	0.01	0.01	0.13	0.67	14.9	22	54
benz_a_anthracene	0.03	0.07	0.01	2.06	0.01	0.01	0.01	0.05	0.55	14.9	24	54
benzo_a_fluoranthene	0.01	0.03	0.01	1.58	0.01	0.01	0.01	0.02	0.23	14.9	47	54
benzo_a_fluorene	0.03	0.05	0.01	2.03	0.01	0.01	0.01	0.10	0.31	14.9	24	54
benzo_a_pyrene	0.028	0.089	0.014	2.114	0.010	0.010	0.010	0.063	0.664	14.9	32	54
benzo_b_fluorene	0.01	0.02	0.01	1.49	0.01	0.01	0.01	0.02	0.13	14.9	40	54
benzo_bjk_fluoranthenes	0.09	0.23	0.04	2.77	0.01	0.01	0.04	0.21	1.71	14.9	3	54
benzo_e_pyrene	0.04	0.09	0.02	2.42	0.01	0.01	0.02	0.12	0.62	14.9	12	54
benzo_ghi_fluoranthene	0.01	0.03	0.01	1.83	0.00	0.01	0.01	0.03	0.20	14.9	37	54
benzo_ghi_perylene	0.04	0.07	0.03	1.88	0.01	0.01	0.02	0.08	0.55	14.9	25	54
biphenyl	0.37	0.64	0.21	2.50	0.05	0.06	0.17	1.43	4.01	14.9	0	54
chrysene_triphenylene	0.05	0.09	0.03	2.31	0.01	0.01	0.04	0.17	0.61	14.9	2	54
coronene	0.02	0.03	0.02	1.59	0.01	0.01	0.02	0.03	0.26	14.9	46	54
cyclopenta_cd_pyrene	0.01	0.03	0.01	1.59	0.01	0.01	0.01	0.03	0.22	14.9	47	54
dibenzo_ac_ah_anthracenes	0.02	0.01	0.02	1.40	0.01	0.01	0.02	0.02	0.09	14.9	52	54
dibenzo_ae_pyrene	0.02	0.00	0.02	1.31	0.01	0.01	0.02	0.02	0.03	14.9	52	54
dibenzo_ah_pyrene	0.02	0.00	0.02	1.30	0.01	0.01	0.02	0.02	0.02	14.9	54	54
dibenzo_ai_pyrene	0.02	0.00	0.02	1.30	0.01	0.01	0.02	0.02	0.02	14.9	53	54
dibenzofuran	0.94	1.46	0.70	1.90	0.16	0.24	0.68	2.34	10.91	14.9	0	54
dibenzothiophene	0.05	0.03	0.04	1.86	0.01	0.02	0.04	0.12	0.15	14.9	0	54
fluoranthene	0.20	0.21	0.15	1.99	0.03	0.05	0.14	0.40	1.56	14.9	0	54
fluorene	0.73	0.99	0.56	1.86	0.14	0.20	0.54	1.94	7.38	14.9	0	54
gamma_HCH	5.03	2.77	4.30	1.79	1.14	1.64	4.29	9.97	11.82	15.0	0	55
inden_123cd_pyrene	0.04	0.10	0.02	2.04	0.01	0.01	0.02	0.09	0.77	14.9	35	54
perylene	0.01	0.01	0.01	1.39	0.00	0.01	0.01	0.01	0.09	14.9	50	54
phenanthrene	0.78	0.60	0.66	1.73	0.18	0.26	0.63	1.91	4.08	14.9	0	54
pyrene	0.12	0.15	0.09	2.08	0.01	0.03	0.10	0.25	1.08	14.9	0	54
retene	0.07	0.07	0.06	2.08	0.01	0.02	0.05	0.25	0.42	14.6	0	53
sum_PCB	6.12	4.12	5.01	1.88	1.49	2.08	4.47	14.01	20.42	15.0	0	55

NO0042G Spitsbergen, Zeppelinfjell

January 2008 - December 2008, matrix air+aerosol

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
HCB	72.76	5.00	72.81	1.07	63.43	64.86	73.62	81.18	82.27	28.9	0	52
N1methylnaphtalene	0.59	2.35	0.09	4.12	0.01	0.02	0.07	3.72	13.93	30.8	0	56
N1methylphenanthrene	0.00	0.00	0.00	1.95	0.00	0.00	0.00	0.01	0.02	30.8	0	56
N2methylanthracene	0.00	0.00	0.00	1.54	0.00	0.00	0.00	0.00	0.00	30.8	45	56
N2methylnaphtalene	0.75	2.90	0.16	3.46	0.03	0.04	0.13	4.13	17.68	30.8	0	56
N2methylphenanthrene	0.01	0.01	0.01	1.87	0.00	0.00	0.01	0.02	0.03	30.8	0	56
N3methylphenanthrene	0.01	0.00	0.00	1.98	0.00	0.00	0.00	0.01	0.02	30.8	1	56
N9methylphenanthrene	0.00	0.00	0.00	1.79	0.00	0.00	0.00	0.01	0.02	30.8	0	56
PCB_101	0.401	0.145	0.378	1.366	0.211	0.253	0.356	0.674	1.011	28.9	0	52
PCB_105	0.04	0.05	0.03	1.87	0.01	0.02	0.03	0.15	0.30	28.9	0	52
PCB_114	0.01	0.02	0.01	1.67	0.01	0.01	0.01	0.01	0.13	28.9	46	52
PCB_118	0.136	0.136	0.110	1.779	0.051	0.055	0.103	0.416	0.908	28.9	0	52
PCB_122	0.01	0.01	0.01	1.54	0.01	0.01	0.01	0.01	0.11	28.9	51	52
PCB_123	0.01	0.02	0.01	1.58	0.01	0.01	0.01	0.01	0.12	28.9	50	52
PCB_128	0.03	0.07	0.02	2.48	0.01	0.01	0.02	0.17	0.42	28.9	10	52
PCB_138	0.181	0.375	0.111	2.119	0.046	0.049	0.103	0.890	2.506	28.9	0	52
PCB_141	0.06	0.13	0.03	2.30	0.01	0.01	0.03	0.33	0.81	28.9	1	52
PCB_149	0.232	0.242	0.191	1.674	0.098	0.111	0.174	0.676	1.655	28.9	0	52
PCB_153	0.247	0.429	0.169	1.957	0.076	0.082	0.151	1.029	2.908	28.9	0	52
PCB_156	0.02	0.05	0.01	2.44	0.01	0.01	0.01	0.12	0.26	28.9	41	52
PCB_157	0.01	0.02	0.01	1.68	0.01	0.01	0.01	0.02	0.12	28.9	48	52
PCB_167	0.01	0.03	0.01	2.03	0.01	0.01	0.01	0.06	0.16	28.9	47	52
PCB_170	0.03	0.09	0.01	2.95	0.01	0.01	0.01	0.22	0.54	28.9	33	52
PCB_18	5.173	2.458	4.540	1.550	2.159	2.453	4.121	10.597	12.366	28.9	0	52
PCB_180	0.076	0.218	0.033	2.584	0.005	0.013	0.026	0.485	1.431	28.9	1	52
PCB_183	0.03	0.07	0.02	2.19	0.01	0.01	0.01	0.17	0.40	28.9	1	52
PCB_187	0.06	0.14	0.04	2.21	0.01	0.02	0.03	0.33	0.86	28.9	1	52
PCB_189	0.01	0.01	0.01	1.57	0.01	0.01	0.01	0.01	0.11	28.9	50	52
PCB_194	0.01	0.02	0.01	1.85	0.01	0.01	0.01	0.04	0.15	28.9	48	52
PCB_206	0.01	0.02	0.01	1.59	0.01	0.01	0.01	0.01	0.12	28.9	49	52
PCB_209	0.01	0.02	0.01	1.67	0.01	0.01	0.01	0.01	0.14	28.9	49	52
PCB_28	3.703	1.929	3.155	1.611	1.411	1.481	2.991	7.480	10.339	28.9	0	52
PCB_31	3.464	1.828	2.942	1.624	1.290	1.378	2.765	7.172	9.624	28.9	0	52
PCB_33	2.65	1.44	2.22	1.67	0.91	0.94	2.14	5.46	7.38	28.9	0	52
PCB_37	0.35	0.21	0.29	1.76	0.09	0.11	0.26	0.83	0.92	28.9	0	52
PCB_47	0.90	0.93	0.68	1.73	0.31	0.33	0.65	2.14	6.73	28.9	0	52
PCB_52	1.289	0.447	1.199	1.368	0.695	0.761	1.175	2.338	2.668	28.9	0	52
PCB_66	0.32	0.14	0.28	1.48	0.14	0.16	0.26	0.62	0.89	28.9	0	52
PCB_99	0.15	0.06	0.14	1.47	0.07	0.08	0.14	0.27	0.41	28.9	0	52
acenaphthene	0.02	0.05	0.01	3.23	0.00	0.00	0.01	0.07	0.33	30.8	1	56
acenaphthylene	0.00	0.01	0.00	2.40	0.00	0.00	0.00	0.01	0.03	30.8	9	56
alpha_HCH	9.00	1.80	8.84	1.21	5.85	6.09	8.79	13.17	13.84	28.0	0	52
anthanthrene	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.00	0.01	30.8	51	56
anthracene	0.00	0.00	0.00	2.16	0.00	0.00	0.00	0.01	0.01	30.8	30	56
benz_a_anthracene	0.00	0.01	0.00	2.50	0.00	0.00	0.00	0.01	0.03	30.8	33	56
benzo_a_fluoranthene	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00	0.01	30.8	47	56
benzo_a_fluorene	0.00	0.00	0.00	2.23	0.00	0.00	0.00	0.01	0.01	30.8	36	56
benzo_a_pyrene	0.002	0.005	0.001	2.560	0.001	0.001	0.001	0.010	0.031	30.8	42	56
benzo_b_fluorene	0.00	0.00	0.00	1.82	0.00	0.00	0.00	0.00	0.01	30.8	41	56
benzo_bjk_fluoranthenes	0.01	0.02	0.00	4.23	0.00	0.00	0.00	0.05	0.11	30.8	20	56
benzo_e_pyrene	0.00	0.01	0.00	3.25	0.00	0.00	0.00	0.02	0.04	30.8	25	56
benzo_ghi_fluoranthene	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.01	0.02	30.8	26	56
benzo_ghi_perylene	0.00	0.01	0.00	2.98	0.00	0.00	0.00	0.02	0.03	30.8	21	56
biphenyl	3.70	18.99	0.20	8.46	0.01	0.01	0.20	10.76	135.20	30.8	0	56
chrysene_triphenylene	0.00	0.01	0.00	3.13	0.00	0.00	0.00	0.02	0.06	30.8	13	56
cis_CD	0.40	0.21	0.32	2.09	0.05	0.08	0.46	0.71	1.05	28.0	17	52
cis_NO	0.06	0.04	0.05	2.54	0.01	0.01	0.06	0.12	0.19	28.0	8	52
coronene	0.00	0.00	0.00	2.27	0.00	0.00	0.00	0.01	0.02	30.8	44	56
cyclopenta_cd_pyrene	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00	0.01	30.8	37	56
dibenzo_ac_ah_anthracenes	0.00	0.00	0.00	1.67	0.00	0.00	0.00	0.00	0.01	30.8	44	56
dibenzo_ae_pyrene	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00	0.00	30.8	50	56
dibenzo_ah_pyrene	0.00	0.00	0.00	1.51	0.00	0.00	0.00	0.00	0.01	30.8	54	56
dibenzo_ai_pyrene	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00	0.00	30.8	52	56
dibenzofuran	1.48	4.51	0.26	6.54	0.00	0.03	0.29	7.86	25.13	30.8	0	56
dibenzothiophene	0.01	0.01	0.00	3.19	0.00	0.00	0.00	0.04	0.06	30.8	1	56
fluoranthene	0.02	0.04	0.01	2.89	0.00	0.00	0.01	0.16	0.18	30.8	0	56
fluorene	0.52	1.64	0.09	5.67	0.01	0.01	0.05	3.23	9.98	30.8	0	56
gamma_HCH	1.50	0.39	1.46	1.28	0.92	0.95	1.44	2.35	2.57	28.0	0	52
inden_123cd_pyrene	0.00	0.01	0.00	3.16	0.00	0.00	0.00	0.02	0.04	30.8	33	56
op_DDD	0.02	0.01	0.01	2.37	0.01	0.01	0.02	0.05	0.06	28.0	23	52
op_DDE	0.07	0.05	0.05	2.57	0.01	0.01	0.06	0.16	0.19	28.0	4	52
op_DDT	0.16	0.12	0.11	2.48	0.01	0.03	0.15	0.41	0.49	28.0	5	52
perylene	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00	0.01	30.8	47	56
phenanthrene	0.05	0.08	0.03	2.25	0.01	0.01	0.03	0.26	0.45	30.8	0	56
pp_DDD	0.03	0.02	0.02	1.85	0.01	0.01	0.02	0.08	0.09	28.0	11	52
pp_DDE	0.41	0.43	0.23	3.08	0.05	0.05	0.23	1.00	2.37	28.0	3	52
pp_DDT	0.09	0.07	0.06	2.54	0.01	0.01	0.08	0.22	0.37	28.0	7	52
pyrene	0.01	0.02	0.01	2.85	0.00	0.00	0.01	0.07	0.11	30.8	0	56
retene	0.00	0.01	0.00	2.53	0.00	0.00	0.00	0.01	0.02	30.8	1	56
sum_DDT	0.80	0.62	0.56	2.45	0.13	0.14	0.75	1.89	3.21	28.0	0	52
sum_PCB	29.30	14.39	25.39	1.57	12.04	13.21	24.34	61.91	75.30	28.9	0	52
sum_heptachlor_PCB	0.27	0.76	0.11	2.59	0.03	0.04	0.09	1.84	4.79	28.9	0	52
sum_hexachlor_PCB	1.05	1.89	0.71	1.90	0.40	0.44	0.60	4.69	12.65	28.9	0	52
sum_pentachlor_PCB	1.08	0.59	0.99	1.44	0.62	0.63	0.91	2.29	4.20	28.9	0	52
sum_tetrachlor_PCB	4.84	2.35	4.16	1.57	1.65	2.12	4.22	11.11	11.74	28.9	0	52
sum_trichlor_PCB	22.02	11.38	18.81	1.61	8.77	9.11	18.24	46.00	60.51	28.9	0	52
trans_CD	0.18	0.14	0.13	2.58	0.02	0.02	0.16	0.39	0.71	28.0	13	52
trans_NO	0.41	0.11	0.38	1.71	0.01	0.28	0.39	0.55	0.82	28.0	0	52

PL0005R Diabla Gora

January 2008 - December 2008, matrix pm10

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
benz_a_anthracene	0.46	0.53	0.10	5.48	0.01	0.01	0.05	1.57	2.45	95.4	0	39
benzo_a_pyrene	0.583	0.631	0.179	4.217	0.027	0.032	0.084	1.888	2.800	95.4	0	39
benzo_b_fluoranthene	0.87	1.03	0.28	3.99	0.04	0.05	0.15	3.02	5.21	95.4	0	39
benzo_k_fluoranthene	0.52	0.57	0.13	3.87	0.02	0.03	0.07	1.83	2.66	95.4	0	39
dibenzo_ah_anthracene	0.14	0.21	0.09	3.12	0.00	0.02	0.06	0.63	1.06	95.4	0	39
inden_123cd_pyrene	0.50	0.72	0.27	3.53	0.04	0.05	0.20	2.25	3.20	95.4	0	39

SE0012R Aspvreten

January 2008 - December 2008, matrix air+aerosol

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
PCB_101	1.285	0.556	1.173	1.587	0.530	0.530	1.300	2.300	2.300	23.5	0	12
PCB_118	0.538	0.219	0.488	1.666	0.150	0.150	0.550	0.870	0.870	23.5	0	12
PCB_138	0.697	0.347	0.617	1.721	0.250	0.250	0.725	1.300	1.300	23.5	0	12
PCB_180	0.218	0.086	0.202	1.552	0.090	0.090	0.240	0.350	0.350	23.5	0	12
PCB_28	1.580	0.413	1.530	1.322	0.900	0.900	1.600	2.300	2.300	23.5	0	12
PCB_52	1.778	0.562	1.700	1.387	1.000	1.000	1.800	2.700	2.700	23.5	0	12
alpha_HCH	5.34	2.06	4.97	1.48	3.00	3.00	5.00	9.00	9.00	23.5	0	12
anthracene	0.01	0.01	0.01	3.11	0.00	0.00	0.01	0.04	0.04	23.5	0	12
benz_a_anthracene	0.05	0.09	0.02	3.43	0.00	0.00	0.01	0.31	0.31	23.5	0	12
benzo_a_pyrene	0.058	0.100	0.025	3.361	0.005	0.005	0.019	0.330	0.330	23.5	0	12
benzo_b_fluoranthene	0.12	0.19	0.06	3.10	0.01	0.01	0.05	0.66	0.66	23.5	0	12
benzo_ghi_perylene	0.08	0.13	0.04	3.10	0.01	0.01	0.04	0.45	0.45	23.5	0	12
benzo_k_fluoranthene	0.04	0.07	0.02	3.15	0.00	0.00	0.02	0.26	0.26	23.5	0	12
chrysene_triphenylene	0.11	0.16	0.06	2.95	0.01	0.01	0.05	0.55	0.55	23.5	0	12
fluoranthene	0.39	0.43	0.26	2.39	0.08	0.08	0.26	1.40	1.40	23.5	0	12
gamma_HCH	3.67	1.92	3.19	1.78	1.00	1.00	3.00	7.00	7.00	23.5	0	12
inden_123cd_pyrene	0.09	0.16	0.04	3.43	0.01	0.01	0.03	0.53	0.53	23.5	0	12
phenanthrene	0.97	0.81	0.76	2.00	0.29	0.29	0.71	3.10	3.10	23.5	0	12
pp_DDD	0.58	0.47	0.46	2.04	0.21	0.21	0.33	1.50	1.50	23.5	0	12
pp_DDE	2.79	1.50	2.51	1.62	1.30	1.30	2.50	6.00	6.00	23.5	0	12
pp_DDT	0.60	0.33	0.51	1.91	0.17	0.17	0.57	1.20	1.20	23.5	0	12
pyrene	0.23	0.27	0.15	2.66	0.03	0.03	0.13	0.89	0.89	23.5	0	12

SE0014R Råö

January 2008 - December 2008, matrix air+aerosol

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
PCB_101	1.742	0.904	1.550	1.614	0.770	0.784	1.300	3.730	3.800	98.9	0	26
PCB_101	1.742	0.904	1.550	1.614	0.770	0.784	1.300	3.730	3.800	98.9	0	26
PCB_118	0.656	0.362	0.572	1.678	0.280	0.287	0.475	1.465	1.500	98.9	0	26
PCB_118	0.656	0.362	0.572	1.678	0.280	0.287	0.475	1.465	1.500	98.9	0	26
PCB_138	1.308	0.933	1.046	1.935	0.460	0.471	0.790	3.365	3.400	98.9	0	26
PCB_138	1.308	0.933	1.046	1.935	0.460	0.471	0.790	3.365	3.400	98.9	0	26
PCB_153	1.458	0.996	1.190	1.875	0.570	0.577	0.895	3.565	3.600	98.9	0	26
PCB_153	1.458	0.996	1.190	1.875	0.570	0.577	0.895	3.565	3.600	98.9	0	26
PCB_180	0.467	0.349	0.363	2.029	0.130	0.133	0.305	1.265	1.300	98.9	0	26
PCB_180	0.467	0.349	0.363	2.029	0.130	0.133	0.305	1.265	1.300	98.9	0	26
PCB_28	1.356	0.343	1.319	1.279	0.820	0.883	1.300	2.130	2.200	98.9	0	26
PCB_28	1.356	0.343	1.319	1.279	0.820	0.883	1.300	2.130	2.200	98.9	0	26
PCB_52	1.996	0.679	1.885	1.416	1.100	1.100	1.900	3.230	3.300	98.9	0	26
PCB_52	1.996	0.679	1.885	1.416	1.100	1.100	1.900	3.230	3.300	98.9	0	26
alpha_HCH	3.92	1.09	3.77	1.34	2.00	2.00	4.00	6.00	6.00	98.9	0	26
anthracene	0.01	0.02	0.01	3.29	0.00	0.00	0.01	0.05	0.05	98.9	0	26
benz_a_anthracene	0.06	0.05	0.03	3.49	0.00	0.00	0.05	0.18	0.22	98.9	0	26
benzo_a_pyrene	0.041	0.053	0.017	4.480	0.001	0.001	0.017	0.173	0.180	98.9	0	26
benzo_b_fluoranthene	0.07	0.08	0.04	3.38	0.01	0.01	0.04	0.28	0.29	98.9	0	26
benzo_ghi_perylene	0.05	0.06	0.03	3.73	0.00	0.00	0.03	0.21	0.22	98.9	0	26
benzo_k_fluoranthene	0.03	0.04	0.01	3.74	0.00	0.00	0.01	0.12	0.13	98.9	0	26
chrysene_triphenylene	0.08	0.08	0.05	2.79	0.01	0.01	0.06	0.31	0.32	98.9	0	26
fluoranthene	0.27	0.27	0.18	2.59	0.05	0.05	0.17	1.01	1.10	98.9	0	26
gamma_HCH	3.23	1.27	2.96	1.57	1.00	1.00	3.00	6.00	6.00	98.9	0	26
inden_123cd_pyrene	0.05	0.06	0.03	3.92	0.00	0.00	0.03	0.20	0.22	98.9	0	26
phenanthrene	0.73	0.57	0.57	2.04	0.17	0.20	0.51	2.23	2.30	98.9	0	26
pp_DDD	0.20	0.15	0.14	2.65	0.01	0.02	0.17	0.60	0.68	98.9	1	26
pp_DDE	1.83	0.83	1.67	1.58	0.78	0.79	1.50	3.43	3.50	98.9	0	26
pp_DDT	0.47	0.17	0.43	1.48	0.19	0.19	0.47	0.82	0.84	98.9	0	26
pyrene	0.17	0.17	0.11	2.72	0.03	0.03	0.11	0.62	0.67	98.9	0	26

SI0008R Iskrba

January 2008 - December 2008, matrix pm10

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl
benz_a_anthracene	0.13	0.17	0.07	3.29	0.01	0.01	0.07	0.51	1.32	47.2	17	173
benzo_a_pyrene	0.229	0.308	0.084	4.921	0.009	0.009	0.109	0.905	1.814	47.2	38	173
dibenzo_ah_anthracene	0.05	0.07	0.02	3.58	0.01	0.01	0.01	0.22	0.29	47.4	110	174
inden_123cd_pyrene	0.41	0.62	0.10	7.43	0.01	0.01	0.13	1.79	3.59	47.2	57	173

Annex 5

Monthly and annual mean values for heavy metals in precipitation

Site	Comp	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
FI0008R	aluminium	1.55	5.95	1.87	15.55	11.36	4.09	3.38	1.25	3.31	6.87	5.41	4.43	4.25
FI0017R	aluminium	43.95	348.12	191.00	42.54	434.12	33.35	9.63	16.04	22.31	13.54	14.20	93.33	60.35
FI0022R	aluminium	1.06	3.14	14.42	17.44	7.13	16.67	3.29	6.94	2.41	0.93	1.81	1.26	5.18
FI0036R	aluminium	1.55	4.59	6.42	6.97	5.92	2.97	3.34	3.25	2.42	1.18	2.01	1.55	3.12
FI0053R	aluminium	4.80	9.64	79.05	25.04	17.31	21.34	3.46	18.50	13.11	3.71	22.91	25.87	13.39
FI0092R	aluminium	4.03	5.28	42.32	34.86	75.95	22.54	8.36	5.65	6.17	2.83	5.28	7.46	11.63
FI0093R	aluminium	4.97	7.56	13.06	24.25	52.60	20.11	6.64	7.43	11.01	3.81	4.79	7.02	10.58
IE0001R	aluminium	-	25.00	25.00	25.00	25.00	25.00	25.00	25.00	-	25.00	25.00	25.00	25.00
IS0090R	aluminium	152.60	68.81	113.76	356.18	234.61	1131.28	241.66	108.79	33.97	200.69	247.21	102.84	146.29
IS0091R	aluminium	55.61	296.94	171.65	242.31	187.49	490.83	183.10	95.95	55.57	149.71	58.80	159.44	139.83
DE0001R	antimony	0.09	0.08	0.06	0.07	0.12	0.05	0.05	0.04	0.07	0.04	0.05	0.08	0.06
DE0002R	antimony	0.05	0.09	0.08	0.15	0.06	0.10	0.06	0.07	0.06	0.05	0.05	0.08	0.07
DE0003R	antimony	0.04	0.06	0.05	-	0.10	0.09	0.09	0.04	0.04	0.08	0.04	0.04	0.06
DE0007R	antimony	0.06	0.10	0.09	0.11	0.17	0.09	0.06	0.08	0.08	0.06	0.06	0.13	0.08
DE0008R	antimony	0.12	0.12	0.11	0.12	0.18	0.15	0.10	0.07	0.11	0.07	0.09	0.07	0.10
DE0009R	antimony	0.06	0.09	0.05	0.07	0.17	0.12	0.04	0.05	0.03	0.02	0.11	0.08	0.07
BE0014R	arsenic	0.26	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.25	0.26	0.27	0.27	0.26
DE0001R	arsenic	0.12	0.13	0.09	0.11	0.11	0.06	0.05	0.05	0.07	0.08	0.11	0.11	0.08
DE0002R	arsenic	0.04	0.09	0.08	0.12	0.06	0.09	0.04	0.05	0.06	0.03	0.06	0.07	0.06
DE0003R	arsenic	0.03	0.05	0.04	-	0.09	0.07	0.05	0.03	0.04	0.05	0.04	0.03	0.04
DE0007R	arsenic	0.06	0.12	0.09	0.11	0.22	0.07	0.04	0.07	0.08	0.05	0.13	0.20	0.08
DE0008R	arsenic	0.09	0.07	0.06	0.11	0.18	0.16	0.06	0.04	0.16	0.04	0.06	0.05	0.08
DE0009R	arsenic	0.07	0.09	0.06	0.08	0.48	0.13	0.04	0.04	0.06	0.02	0.16	0.12	0.09
DK0005R	arsenic	0.09	0.10	0.32	1.12	0.43	0.64	0.14	0.13	0.19	0.10	0.17	0.11	0.17
DK0008R	arsenic	0.18	0.19	0.09	0.23	0.51	0.46	0.25	0.18	0.15	0.18	0.19	0.21	0.20
DK0020R	arsenic	0.04	0.05	0.08	0.19	0.30	0.11	0.09	-	0.04	0.11	0.11	0.20	0.11
DK0022R	arsenic	0.10	0.08	0.06	0.26	-	0.11	0.11	0.08	0.11	0.07	0.08	0.20	0.10
DK0031R	arsenic	0.07	0.08	0.08	0.10	0.41	0.14	0.05	0.07	0.05	0.04	0.05	0.14	0.07
EE0009R	arsenic	0.50	0.50	1.10	1.10	1.03	0.50	0.50	0.50	0.50	2.00	0.50	0.50	0.70
ES0008R	arsenic	0.11	0.11	0.08	0.20	0.08	0.14	0.11	0.14	0.16	0.09	0.09	0.06	0.11
ES0009R	arsenic	0.07	0.12	0.11	0.06	0.09	0.43	0.21	0.25	0.17	0.09	0.04	0.03	0.16
FI0008R	arsenic	0.07	0.08	0.06	0.22	0.08	0.11	0.05	0.03	0.04	0.05	0.05	0.10	0.07
FI0017R	arsenic	0.31	0.44	0.58	0.18	0.51	0.10	0.03	0.09	0.11	0.15	0.15	0.48	0.20
FI0022R	arsenic	0.05	0.07	0.30	0.16	0.08	0.09	0.10	0.09	0.04	0.03	0.05	0.05	0.08
FI0036R	arsenic	0.04	0.05	0.12	0.06	0.05	0.09	0.03	0.05	0.03	0.02	0.01	0.04	0.05
FI0053R	arsenic	0.09	0.11	0.30	0.12	0.09	0.06	0.03	0.13	0.05	0.04	0.08	0.17	0.07
FI0092R	arsenic	0.10	0.04	0.17	0.25	0.34	0.05	0.05	0.05	0.07	0.05	0.04	0.21	0.09
FI0093R	arsenic	0.11	0.07	0.07	0.24	0.18	0.09	0.04	0.07	0.15	0.05	0.06	0.10	0.08

Site	Comp	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
FR0009R	arsenic	-	-	-	-	-	0.02	0.02	0.02	0.04	0.02	0.02	0.08	0.02
FR0013R	arsenic	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02
FR0090R	arsenic	0.15	0.18	0.36	0.24	0.14	0.18	0.25	0.22	0.38	0.19	0.29	0.49	0.24
GB0006R	arsenic	-	-	0.20	0.37	0.32	0.18	0.15	0.20	0.11	0.41	0.46	0.46	0.25
GB0013R	arsenic	0.04	0.08	0.06	0.10	0.12	0.07	0.05	0.06	0.05	0.06	0.06	0.02	0.06
GB0017R	arsenic	-	-	-	-	-	-	0.08	0.08	0.09	0.10	0.10	0.10	0.09
GB0091R	arsenic	0.09	0.09	-	0.11	0.25	0.08	0.06	0.09	0.11	0.16	0.07	0.09	0.09
IE0001R	arsenic	-	0.50	0.50	0.50	0.50	0.50	0.50	0.50	-	0.50	0.50	0.50	0.50
IS0090R	arsenic	0.13	0.22	0.14	0.10	0.19	0.15	0.12	0.10	0.18	0.21	0.22	0.30	0.19
IS0091R	arsenic	0.03	0.10	0.08	0.09	0.15	0.11	0.05	0.05	0.02	0.03	0.03	0.05	0.05
LT0015R	arsenic	0.64	0.08	0.05	0.08	0.51	0.76	0.42	0.88	0.13	0.06	0.04	0.05	0.33
LV0010R	arsenic	0.43	0.73	0.17	0.44	0.25	0.43	0.51	0.11	0.30	0.19	0.11	0.06	0.26
LV0016R	arsenic	0.24	0.21	0.10	0.31	0.18	0.12	0.42	0.37	0.46	0.19	0.16	0.14	0.24
NL0009R	arsenic	0.08	0.12	0.16	0.15	0.25	0.25	0.08	0.08	0.08	0.08	0.08	0.08	0.10
NL0091R	arsenic	0.08	0.13	0.08	0.16	0.19	0.23	0.08	0.08	0.08	0.08	0.08	0.08	0.09
NO0001R	arsenic	0.22	0.24	0.17	0.21	0.19	0.16	0.12	0.07	0.05	0.13	0.17	0.19	0.16
NO0047R	arsenic	0.92	-	3.86	1.08	1.36	2.09	0.91	0.45	2.05	1.00	1.28	1.58	1.30
PL0005R	arsenic	0.50	0.28	0.38	0.30	0.16	0.16	0.13	0.18	0.29	0.20	0.23	0.16	0.24
SE0051R	arsenic	0.05	0.05	0.05	0.25	0.19	0.17	0.05	0.05	0.17	0.05	0.15	0.23	0.10
SE0097R	arsenic	0.16	0.25	0.19	0.15	0.20	0.14	0.13	0.07	0.10	0.16	0.14	0.18	0.15
SI0008R	arsenic	0.12	0.06	0.09	0.13	0.18	0.12	0.09	0.05	0.06	0.06	0.12	0.08	0.10
SK0002R	arsenic	0.26	0.23	0.12	0.02	0.40	0.19	0.10	0.15	0.15	0.28	0.11	0.20	0.17
SK0004R	arsenic	0.21	0.23	0.10	0.17	0.37	0.18	0.05	0.14	0.07	0.11	0.03	0.16	0.15
SK0006R	arsenic	0.19	0.33	0.15	0.23	0.17	0.10	0.10	0.16	0.08	0.32	0.02	0.20	0.16
SK0007R	arsenic	0.13	0.07	0.03	0.12	0.18	0.12	0.06	0.07	0.29	0.04	0.03	0.15	0.11
BE0014R	cadmium	0.06	0.08	0.08	0.06	0.03	0.04	0.05	0.06	0.04	0.05	0.03	0.03	0.05
CZ0001R	cadmium	0.15	0.07	0.07	0.11	0.03	0.07	0.07	0.07	0.13	0.13	0.08	0.17	0.09
CZ0003R	cadmium	0.18	0.11	0.11	0.16	0.06	0.08	0.07	0.05	0.19	0.12	0.09	0.07	0.10
DE0001R	cadmium	0.04	0.03	0.02	0.03	0.10	0.02	0.02	0.01	0.02	0.01	0.02	0.03	0.02
DE0002R	cadmium	0.02	0.02	0.02	0.04	0.01	0.03	0.01	0.02	0.02	0.01	0.02	0.02	0.02
DE0003R	cadmium	0.01	0.01	0.01	-	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.02	0.02
DE0007R	cadmium	0.03	0.06	0.03	0.04	0.06	0.02	0.02	0.03	0.03	0.02	0.03	0.05	0.03
DE0008R	cadmium	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.02	0.03	0.02	0.02	0.02	0.03
DE0009R	cadmium	0.03	0.03	0.02	0.02	0.13	0.13	0.03	0.02	0.02	0.01	0.05	0.04	0.03
DK0005R	cadmium	0.03	0.03	0.04	0.45	0.31	0.18	0.06	0.03	0.02	0.01	0.02	0.00	0.04
DK0008R	cadmium	0.04	0.04	0.02	0.03	0.11	0.05	0.02	0.01	0.02	0.02	0.03	0.03	0.03
DK0020R	cadmium	0.02	0.05	0.03	0.07	0.10	0.15	0.05	-	0.09	0.04	0.04	0.06	0.06
DK0022R	cadmium	0.03	0.02	0.01	0.12	-	0.01	0.01	0.01	0.02	0.02	0.02	0.05	0.02
DK0031R	cadmium	0.03	0.02	0.02	0.03	0.05	0.02	0.01	0.01	0.01	0.01	0.02	0.05	0.02

Site	Comp	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
EE0009R	cadmium	0.02	0.05	0.05	0.23	0.06	0.01	0.14	0.02	0.07	0.04	0.03	0.05	0.04
EE0011R	cadmium	0.08	0.03	0.07	0.50	0.30	0.19	0.47	0.03	-	0.01	0.04	0.04	0.13
ES0008R	cadmium	0.04	0.04	0.04	0.12	0.05	0.19	0.06	0.12	0.06	0.11	0.03	0.03	0.08
ES0009R	cadmium	0.07	0.07	0.09	0.35	0.09	0.36	0.17	0.16	0.02	0.03	0.04	0.05	0.16
FI0008R	cadmium	0.01	0.01	0.02	0.04	0.16	0.02	0.04	0.01	0.14	0.01	0.01	0.02	0.03
FI0017R	cadmium	0.09	0.07	0.13	0.10	0.07	0.03	0.05	0.12	0.04	0.05	0.05	0.14	0.07
FI0022R	cadmium	0.01	0.01	0.03	0.06	0.07	0.02	0.03	0.07	0.13	0.18	0.01	0.01	0.06
FI0036R	cadmium	0.01	0.09	0.04	0.02	0.22	0.01	0.01	0.02	0.03	0.05	0.00	0.01	0.03
FI0053R	cadmium	0.03	0.03	0.09	0.09	0.04	0.02	0.04	0.17	0.06	0.03	0.03	0.04	0.05
FI0092R	cadmium	0.04	0.01	0.08	0.15	0.18	0.02	0.01	0.09	0.03	0.02	0.02	0.07	0.05
FI0093R	cadmium	0.04	0.02	0.02	0.14	0.07	0.02	0.07	0.03	0.22	0.03	0.03	0.03	0.04
FR0009R	cadmium	-	-	-	-	-	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
FR0013R	cadmium	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
FR0090R	cadmium	0.03	0.03	0.04	0.05	0.08	0.04	0.02	0.02	0.07	0.04	0.03	0.05	0.04
GB0006R	cadmium	-	-	0.01	0.07	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.01
GB0013R	cadmium	0.00	0.01	0.02	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.01
GB0017R	cadmium	-	-	-	-	-	-	0.02	0.02	0.02	0.02	0.02	0.02	0.02
GB0091R	cadmium	0.01	0.00	-	0.01	0.06	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01
HU0002R	cadmium	1.22	0.48	0.19	0.14	0.14	0.08	0.03	0.09	0.11	0.12	0.24	0.11	0.14
IE0001R	cadmium	-	0.05	0.05	0.05	0.05	0.05	0.05	0.05	-	0.05	0.50	0.05	0.09
IS0090R	cadmium	0.01	0.01	0.01	0.01	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
IS0091R	cadmium	0.02	0.03	0.01	0.01	0.02	0.02	0.01	0.01	0.00	0.01	0.01	0.01	0.01
IT0001R	cadmium	4.19	-	6.23	0.47	1.63	0.79	2.40	-	0.63	0.22	0.26	0.84	2.36
LT0015R	cadmium	0.20	0.07	0.04	0.04	0.07	0.04	0.06	0.14	0.05	0.02	0.02	0.04	0.07
LV0010R	cadmium	0.04	0.15	0.09	0.16	0.09	0.03	0.05	0.05	0.05	0.06	0.06	0.06	0.06
LV0016R	cadmium	0.06	0.05	0.11	0.09	0.14	0.03	0.03	0.03	0.06	0.07	0.04	0.04	0.05
NL0009R	cadmium	0.02	0.02	0.03	0.05	0.04	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02
NL0091R	cadmium	0.03	0.02	0.04	0.08	0.05	0.06	0.02	0.02	0.03	0.02	0.02	0.04	0.03
NO0001R	cadmium	0.04	0.02	0.02	0.08	0.06	0.02	0.02	0.01	0.01	0.01	0.02	0.04	0.03
NO0039R	cadmium	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01
NO0047R	cadmium	0.12	-	0.18	0.16	0.13	0.13	0.11	0.09	0.26	0.14	0.55	0.19	0.18
NO0055R	cadmium	0.01	0.02	0.02	0.00	0.08	0.02	0.01	0.01	0.01	0.02	0.02	0.03	0.02
NO0056R	cadmium	0.02	0.02	0.06	0.13	0.09	0.03	0.02	0.01	0.09	0.04	0.04	0.05	0.04
PL0004R	cadmium	0.03	0.03	0.04	0.10	0.06	0.03	0.03	0.05	0.08	0.05	0.05	0.08	0.05
PL0005R	cadmium	0.07	0.09	0.06	0.12	0.03	0.05	0.05	0.04	0.04	0.04	0.07	0.03	0.06
PT0001R	cadmium	-	-	-	-	0.43	-	-	-	0.43	0.43	0.43	-	-
PT0003R	cadmium	0.43	-	0.43	0.43	-	-	-	0.43	0.43	0.43	0.43	-	-
PT0004R	cadmium	0.43	0.43	0.43	0.43	0.43	-	-	-	0.43	0.43	0.43	-	-
PT0010R	cadmium	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
SE0051R	cadmium	0.07	0.06	0.04	0.08	0.06	0.02	0.01	0.01	0.04	0.03	0.03	0.03	0.04
SE0097R	cadmium	0.03	0.05	0.05	0.04	0.04	0.02	0.02	0.01	0.01	0.02	0.02	0.06	0.03

Site	Comp	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
SI0008R	cadmium	0.01	0.02	0.01	0.05	0.04	0.02	0.01	0.01	0.01	0.03	0.02	0.01	0.02
SK0002R	cadmium	0.22	0.10	0.05	0.10	0.23	0.09	0.03	0.05	0.07	0.07	0.16	0.08	0.09
SK0004R	cadmium	0.10	0.40	0.12	0.11	0.54	0.08	0.07	0.07	0.06	0.06	0.05	0.17	0.15
SK0006R	cadmium	0.06	0.09	0.08	0.07	0.09	0.03	0.03	0.09	0.03	0.07	0.08	0.11	0.06
SK0007R	cadmium	0.05	0.03	0.08	0.05	0.03	0.07	0.03	0.03	0.02	0.02	0.14	0.04	0.05
BE0014R	chromium	0.26	0.36	0.45	0.55	0.61	0.51	0.50	2.15	3.82	0.26	0.27	0.45	1.03
DE0001R	chromium	0.12	0.13	0.09	0.10	0.13	0.03	0.11	0.07	0.11	0.10	0.13	0.17	0.10
DE0002R	chromium	0.05	0.08	0.07	0.10	0.05	0.09	0.07	0.10	0.07	0.04	0.05	0.07	0.07
DE0003R	chromium	0.06	0.07	0.10	-	0.15	0.06	0.10	0.06	0.06	0.08	0.04	0.05	0.07
DE0007R	chromium	0.08	0.13	0.09	0.09	0.25	0.09	0.07	0.10	0.08	0.06	0.07	0.10	0.09
DE0008R	chromium	0.26	0.31	0.20	0.13	0.28	0.22	0.24	0.13	0.20	0.24	0.37	0.42	0.24
DE0009R	chromium	0.11	0.14	0.10	0.07	0.24	0.47	0.10	0.10	0.09	0.05	0.09	0.07	0.11
DK0005R	chromium	0.76	0.47	0.86	10.11	4.79	2.75	0.68	1.18	0.45	0.28	0.54	0.58	0.88
DK0008R	chromium	0.22	0.18	0.07	0.30	0.56	0.45	0.24	0.18	0.17	0.17	0.15	0.08	0.19
DK0020R	chromium	0.10	0.22	0.06	0.15	0.37	0.20	0.30	-	0.08	0.11	0.11	0.09	0.13
DK0022R	chromium	0.12	0.09	0.05	0.29	-	0.47	0.45	0.12	0.12	0.05	0.05	0.09	0.14
DK0031R	chromium	0.07	0.08	0.08	0.15	0.84	0.18	0.05	0.08	0.06	0.04	0.06	0.21	0.08
ES0008R	chromium	5.88	9.87	5.80	75.01	210.00	166.98	227.63	22.87	3.07	4.43	4.21	1.08	55.39
ES0009R	chromium	4.19	4.77	5.88	1.90	2.31	2.73	2.76	1.83	1.12	3.04	3.65	1.27	2.54
FI0008R	chromium	0.01	0.16	0.01	0.52	0.52	0.13	0.08	0.07	0.23	0.01	0.01	0.01	0.10
FI0017R	chromium	0.22	0.46	0.93	0.58	1.03	0.26	0.17	0.01	0.08	0.01	0.01	0.57	0.21
FI0022R	chromium	0.01	0.01	0.33	0.41	0.30	0.24	0.01	0.01	0.01	0.01	0.01	0.01	0.08
FI0036R	chromium	0.01	0.04	0.01	0.31	0.56	0.08	0.04	0.01	0.06	0.01	0.01	0.01	0.07
FI0053R	chromium	0.03	0.06	0.57	0.25	0.88	0.09	0.01	0.19	0.14	0.01	0.01	0.01	0.10
FI0092R	chromium	0.09	0.01	0.33	0.54	0.88	0.32	0.04	0.01	0.02	0.01	0.01	0.01	0.11
FI0093R	chromium	0.01	0.01	0.07	0.28	1.18	0.21	0.43	0.01	0.12	0.01	0.01	0.01	0.12
FR0009R	chromium	-	-	-	-	-	0.03	0.03	0.03	0.03	0.09	0.03	0.19	0.04
FR0013R	chromium	0.03	0.27	0.08	0.05	0.03	0.03	0.03	0.43	0.21	0.03	0.03	0.06	0.08
FR0090R	chromium	0.15	0.10	0.20	0.11	0.20	0.25	0.30	0.20	0.20	0.15	0.20	0.10	0.18
GB0006R	chromium	-	-	0.06	0.40	0.01	0.01	0.04	0.13	0.03	0.12	0.13	0.13	0.07
GB0013R	chromium	0.02	0.02	0.02	0.02	0.07	0.05	0.02	0.04	0.07	0.04	0.05	0.04	0.04
GB0017R	chromium	-	-	-	-	-	-	0.19	0.19	0.09	0.09	0.09	0.09	0.12
GB0091R	chromium	0.14	0.11	-	0.13	0.33	0.05	0.02	0.04	0.09	0.10	0.14	0.07	0.08
IE0001R	chromium	-	0.50	0.50	0.50	0.50	0.50	0.50	0.50	-	0.50	0.50	0.50	0.50
IS0090R	chromium	0.37	0.28	0.35	1.21	0.72	1.56	0.48	0.22	0.13	0.30	0.33	0.29	0.33
IS0091R	chromium	0.06	0.32	0.19	0.46	0.84	1.27	0.18	0.20	0.06	0.17	0.12	0.17	0.21
LT0015R	chromium	3.08	0.29	0.70	1.24	0.27	0.13	0.14	5.46	1.12	0.21	0.15	0.39	1.43
LV0010R	chromium	1.71	3.44	1.64	0.11	0.17	0.06	0.34	0.09	0.11	0.10	0.09	0.17	0.50
LV0016R	chromium	0.36	0.25	0.12	0.11	0.20	0.09	0.16	0.20	0.18	0.37	0.29	0.29	0.22

Site	Comp	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
NL0009R	chromium	0.28	0.30	0.26	0.26	0.26	0.48	0.31	0.46	0.26	0.26	0.28	0.26	0.32
NL0091R	chromium	0.26	0.26	0.26	0.26	0.26	0.26	0.30	0.26	0.26	0.26	0.26	0.26	0.27
NO0001R	chromium	0.11	0.24	0.16	0.10	0.10	0.13	0.10	0.10	0.10	0.11	0.10	0.10	0.12
NO0047R	chromium	0.29	-	0.87	0.10	0.60	0.65	0.51	1.02	0.78	0.14	0.16	0.32	0.48
PL0004R	chromium	0.08	0.06	0.05	0.12	0.21	0.09	0.03	0.04	0.06	0.07	0.06	0.17	0.07
PL0005R	chromium	0.07	0.07	0.08	0.12	0.06	0.05	0.07	0.07	0.06	0.07	0.04	0.06	0.07
SE0051R	chromium	0.26	0.47	0.38	0.41	1.05	0.31	1.27	0.12	0.13	0.51	0.51	0.53	0.45
SE0097R	chromium	0.20	0.42	0.49	0.31	0.60	0.41	1.31	0.07	0.25	0.34	0.42	0.53	0.37
SI0008R	chromium	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
SK0002R	chromium	0.10	0.20	0.32	0.27	0.37	0.08	0.13	0.39	0.18	0.21	0.20	0.15	0.22
SK0004R	chromium	0.07	0.23	0.03	0.23	0.32	0.02	0.02	0.07	0.07	0.07	0.11	0.12	0.10
SK0006R	chromium	0.03	0.11	0.20	0.16	0.19	0.04	0.13	0.08	0.09	0.18	0.10	0.26	0.12
SK0007R	chromium	0.06	0.12	0.13	0.28	0.21	0.07	0.10	0.04	0.13	0.19	0.23	0.05	0.11
DE0001R	cobalt	0.02	0.02	0.01	0.02	0.04	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.01
DE0002R	cobalt	0.01	0.02	0.01	0.03	0.01	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.02
DE0003R	cobalt	0.01	0.01	0.01	-	0.08	0.03	0.03	0.01	0.01	0.02	0.01	0.01	0.02
DE0007R	cobalt	0.02	0.03	0.02	0.02	0.06	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.02
DE0008R	cobalt	0.02	0.02	0.01	0.02	0.08	0.07	0.02	0.01	0.03	0.01	0.02	0.02	0.02
DE0009R	cobalt	0.02	0.02	0.01	0.01	0.05	0.06	0.01	0.00	0.04	0.05	0.03	0.04	0.02
FI0008R	cobalt	0.02	0.04	0.01	0.07	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.02
FI0017R	cobalt	0.03	0.07	0.16	0.04	0.25	0.04	0.01	0.02	0.03	0.02	0.01	0.05	0.03
FI0022R	cobalt	0.00	0.01	0.03	0.02	0.01	0.02	0.00	0.01	0.02	0.01	0.01	0.00	0.01
FI0036R	cobalt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.01	0.01
FI0053R	cobalt	0.06	0.18	0.17	0.09	0.04	0.03	0.01	0.05	0.04	0.03	0.07	0.07	0.04
FI0092R	cobalt	0.01	0.01	0.04	0.04	0.11	0.02	0.01	0.01	0.02	0.00	0.01	0.01	0.01
FI0093R	cobalt	0.01	0.01	0.02	0.03	0.08	0.03	0.01	0.01	0.02	0.01	0.01	0.01	0.02
NO0001R	cobalt	0.01	0.02	0.01	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
NO0047R	cobalt	0.60	-	2.73	0.44	1.34	1.63	0.59	0.35	2.65	0.34	0.58	0.76	0.90
SE0051R	cobalt	0.01	0.02	0.01	0.06	0.12	0.08	0.03	0.02	0.03	0.01	0.01	0.01	0.02
SE0097R	cobalt	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.01	0.00	0.00	0.02	0.02	0.02
BE0014R	copper	2.15	5.67	5.31	4.39	2.99	3.46	4.70	3.48	5.85	9.01	16.43	19.71	7.13
DE0001R	copper	1.20	0.91	0.76	7.23	6.75	0.98	3.53	1.02	1.08	0.44	0.91	2.19	1.36
DE0002R	copper	6.33	0.83	1.03	1.48	28.57	1.18	0.80	0.95	13.20	0.58	0.70	45.21	3.63
DE0003R	copper	0.29	0.86	0.76	-	1.45	1.73	1.38	0.88	0.54	0.94	0.50	0.20	0.87
DE0007R	copper	0.79	1.55	1.07	1.14	3.24	1.79	1.07	1.62	0.98	0.58	0.95	1.05	1.15
DE0008R	copper	0.67	2.31	1.28	1.82	4.40	2.11	1.45	1.53	1.35	2.42	3.77	0.81	1.83
DE0009R	copper	1.97	4.19	2.63	0.61	13.55	9.91	2.82	2.22	2.02	1.90	2.01	2.76	2.75
DK0005R	copper	1.31	1.27	1.42	8.43	4.41	8.05	1.97	1.38	2.32	1.51	1.22	0.61	1.71
DK0008R	copper	3.35	1.68	0.59	1.85	4.29	1.98	1.87	0.69	0.88	0.64	0.49	0.47	1.18

Site	Comp	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
DK0020R	copper	0.61	4.49	0.56	0.95	2.09	3.69	1.45	-	0.76	1.30	1.30	0.93	1.38
DK0022R	copper	0.61	0.52	0.32	3.60	-	1.01	1.05	2.02	0.98	0.45	1.25	0.87	1.05
DK0031R	copper	0.36	0.60	0.63	2.79	3.60	0.75	0.33	0.30	0.31	0.18	0.30	0.76	0.45
EE0009R	copper	1.58	17.38	13.34	3.15	1.63	10.45	10.15	1.32	1.20	0.50	3.20	5.78	5.84
EE0011R	copper	0.50	16.70	0.50	0.50	0.50	12.70	10.20	2.30	-	0.50	0.50	0.50	3.98
ES0008R	copper	7.01	6.58	4.82	24.25	8.48	16.63	23.87	46.67	26.98	11.19	11.62	27.65	15.82
ES0009R	copper	13.10	10.97	7.69	34.02	12.33	39.85	22.51	49.61	9.58	16.97	13.38	13.81	22.02
FI0008R	copper	2.14	6.05	2.37	8.06	4.33	0.98	1.30	1.83	5.33	1.82	3.21	3.22	2.34
FI0017R	copper	1.26	2.06	4.37	2.42	5.64	2.17	1.49	1.26	2.30	0.71	1.60	2.45	1.70
FI0022R	copper	1.40	2.07	1.90	1.17	1.43	2.55	0.92	1.16	2.00	1.19	2.08	1.42	1.48
FI0036R	copper	1.59	1.00	3.23	2.24	1.70	0.93	0.77	1.51	2.76	1.24	1.29	1.40	1.42
FI0053R	copper	2.95	4.93	3.94	1.41	7.60	0.89	1.40	2.94	2.20	1.20	2.59	3.82	1.98
FI0092R	copper	1.04	1.76	3.59	2.34	6.68	1.92	0.90	1.30	2.91	0.55	0.66	3.16	1.55
FI0093R	copper	1.06	0.70	0.98	1.17	3.88	0.66	1.01	1.11	4.57	0.50	0.55	1.20	1.03
FR0009R	copper	-	-	-	-	-	1.43	0.70	0.60	0.44	0.47	1.40	1.38	0.73
FR0013R	copper	0.38	0.34	0.12	0.32	0.29	0.36	0.53	0.32	0.29	0.14	0.21	0.21	0.28
FR0090R	copper	0.24	0.39	0.54	0.37	0.85	0.64	0.44	0.26	0.64	0.41	0.25	0.23	0.43
GB0006R	copper	-	-	0.30	2.96	0.16	0.16	0.36	0.24	0.12	0.38	0.42	0.42	0.28
GB0013R	copper	0.13	0.19	0.40	0.33	0.80	0.32	0.21	0.40	0.24	1.51	2.48	6.09	1.06
GB0017R	copper	-	-	-	-	-	-	1.02	1.02	0.49	0.56	0.83	0.83	-
GB0091R	copper	0.21	0.15	-	0.74	2.11	0.43	0.19	0.24	0.32	0.44	0.21	0.11	0.29
IE0001R	copper	-	0.50	0.50	0.50	0.50	-	2.20	0.50	-	2.70	0.50	0.50	1.10
IS0090R	copper	3.88	1.26	1.90	4.35	6.02	7.03	2.76	1.98	0.92	2.03	2.36	2.01	2.08
IS0091R	copper	1.28	1.71	0.71	1.03	2.24	2.28	2.05	1.10	0.34	0.59	0.72	0.69	1.01
IT0001R	copper	7.61	-	4.19	4.68	4.55	3.00	5.00	-	2.60	4.45	2.56	4.00	4.20
LT0015R	copper	3.92	0.63	1.22	1.24	2.07	1.09	1.21	11.37	2.58	0.69	0.87	1.43	2.97
LV0010R	copper	1.88	3.96	2.16	3.06	4.87	6.19	3.64	1.10	1.95	0.57	2.45	2.00	2.19
LV0016R	copper	3.09	0.99	2.23	0.81	2.54	4.95	2.66	1.42	2.43	0.92	0.66	0.34	1.76
NL0009R	copper	0.37	0.66	0.68	1.11	1.31	1.08	0.55	0.55	0.84	0.96	0.41	0.62	0.69
NL0091R	copper	0.70	0.68	0.80	1.85	1.25	1.53	0.69	0.58	0.90	0.76	0.62	0.86	0.80
NO0001R	copper	0.42	0.39	0.49	0.92	0.50	0.55	0.24	0.16	0.28	0.32	0.22	0.27	0.39
NO0047R	copper	50.85	-	78.42	19.70	31.72	35.33	17.89	6.71	53.75	13.38	29.58	50.44	25.36
PL0004R	copper	1.52	1.21	0.65	1.46	2.17	1.27	1.07	0.73	0.97	1.08	0.50	1.46	0.99
PL0005R	copper	1.09	1.33	0.92	1.66	1.04	1.74	1.03	1.17	1.00	0.44	1.28	0.34	1.10
PT0001R	copper	-	-	-	-	1.14	-	-	-	0.33	0.71	9.89	-	-
PT0003R	copper	0.66	-	0.57	0.33	-	-	-	0.33	0.33	0.33	0.33	-	-
PT0004R	copper	0.53	1.30	0.33	0.33	0.33	-	-	-	0.74	0.33	0.33	-	-
PT0010R	copper	1.49	0.33	0.33	0.33	0.33	0.33	1.42	3.13	0.79	0.33	0.33	0.33	0.58
SE0051R	copper	0.45	0.73	0.32	0.96	1.75	1.63	0.56	0.64	1.04	0.64	0.47	0.47	0.65
SE0097R	copper	0.53	0.96	0.40	0.37	0.49	0.48	0.36	0.05	0.31	0.26	1.20	0.43	0.48
SI0008R	copper	0.97	0.73	0.65	0.50	0.92	0.59	1.55	1.02	0.52	0.59	0.59	0.19	0.68

Site	Comp	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
SK0002R	copper	1.60	1.13	1.58	2.01	2.70	1.38	0.78	1.97	0.86	1.04	0.69	1.23	1.41
SK0004R	copper	1.49	1.56	2.05	1.51	2.10	7.65	0.54	2.95	0.48	0.61	0.61	1.88	2.34
SK0006R	copper	0.58	1.13	1.18	1.08	1.75	2.29	2.31	2.83	0.32	1.61	1.05	1.27	1.67
SK0007R	copper	1.61	5.37	8.72	2.70	1.37	8.75	2.20	1.81	0.32	1.04	1.63	1.70	3.03
CZ0001R	iron	73.39	44.09	78.73	143.11	37.55	84.74	43.45	31.25	27.12	57.70	67.60	58.19	58.58
CZ0003R	iron	39.65	146.46	155.60	157.62	49.62	127.78	125.25	78.75	109.10	34.82	31.85	22.74	89.01
DE0001R	iron	10.50	8.00	9.17	11.51	27.36	14.74	7.46	4.11	6.91	3.39	6.14	7.22	6.78
DE0002R	iron	12.03	15.15	12.69	20.53	37.70	20.04	9.94	14.72	21.86	4.24	5.37	48.62	14.04
DE0003R	iron	4.54	5.33	6.74	-	54.82	17.95	12.28	4.90	6.68	9.40	3.10	1.76	10.37
DE0007R	iron	7.96	13.24	9.98	12.23	30.77	15.92	8.90	18.39	8.29	8.26	6.70	7.65	11.02
DE0008R	iron	20.34	9.17	9.59	10.83	61.06	34.87	14.12	7.44	12.82	9.49	8.02	5.36	12.28
DE0009R	iron	16.12	13.91	8.80	8.55	48.53	64.28	10.71	13.52	5.63	3.50	8.31	4.62	12.58
FI0008R	iron	2.57	9.58	4.19	33.15	24.90	16.10	6.07	10.43	13.83	9.43	7.65	19.19	10.83
FI0017R	iron	52.43	320.46	397.43	54.42	550.61	37.72	20.89	29.48	43.70	8.25	11.15	235.51	79.79
FI0022R	iron	2.42	4.87	18.11	29.77	19.32	21.60	1.79	15.05	15.77	0.75	2.85	5.63	9.09
FI0036R	iron	2.78	11.18	9.13	22.45	15.03	12.29	6.20	10.23	4.95	0.75	1.47	3.45	7.65
FI0053R	iron	12.49	21.05	218.69	33.60	37.08	38.20	5.00	28.57	32.23	2.57	77.37	97.59	27.98
FI0092R	iron	10.36	7.10	44.84	48.31	112.11	26.12	9.56	6.52	11.22	0.75	1.77	24.01	14.90
FI0093R	iron	7.23	12.62	18.79	28.96	91.62	24.67	11.39	15.36	22.09	0.75	1.56	12.24	15.07
IS0090R	iron	167.81	54.32	86.78	485.05	317.23	1763.13	279.25	152.79	74.07	218.03	225.12	143.04	177.70
IS0091R	iron	75.43	305.72	189.45	267.33	192.20	760.26	258.38	171.74	79.78	200.34	79.08	191.08	180.64
BE0014R	lead	3.31	6.34	3.54	2.13	0.57	5.35	1.53	0.34	0.46	0.30	1.10	2.77	1.73
CZ0001R	lead	7.70	1.86	1.30	1.02	1.15	0.68	2.02	1.11	2.70	2.68	2.24	4.86	1.99
CZ0003R	lead	0.93	1.14	1.36	1.52	0.30	0.57	0.42	0.34	1.42	2.23	1.94	0.88	1.03
DE0001R	lead	1.00	0.58	0.65	0.61	1.14	0.41	0.45	0.50	0.58	0.27	0.44	0.80	0.53
DE0002R	lead	6.21	0.60	0.70	1.18	27.96	0.83	0.43	0.52	12.72	0.27	0.33	44.60	3.29
DE0003R	lead	0.22	0.45	0.41	-	0.85	0.85	0.50	0.27	0.34	0.47	0.29	0.28	0.43
DE0007R	lead	0.60	1.30	1.01	1.17	2.40	0.66	0.61	0.63	0.73	0.56	0.66	1.66	0.81
DE0008R	lead	0.76	0.67	0.87	0.81	1.25	1.24	0.69	0.68	1.12	0.62	0.87	0.56	0.78
DE0009R	lead	0.89	0.66	0.53	0.67	3.26	2.04	0.47	0.67	0.70	0.30	1.19	0.98	0.81
DK0005R	lead	1.89	1.33	3.39	29.21	16.42	11.39	4.28	2.51	4.66	1.71	2.63	2.24	3.46
DK0008R	lead	0.06	0.74	0.39	1.06	2.90	1.47	0.84	0.80	0.66	0.66	0.93	1.12	0.76
DK0020R	lead	0.78	1.13	0.73	1.79	2.21	1.22	1.08	-	0.55	0.65	0.65	2.25	1.15
DK0022R	lead	1.04	0.72	0.52	1.81	-	1.20	1.18	0.60	0.66	1.02	0.55	1.66	0.88
DK0031R	lead	0.65	0.58	0.59	0.92	3.22	0.74	0.34	0.63	0.38	0.28	0.41	1.17	0.51
EE0009R	lead	0.50	1.28	1.30	4.30	1.30	0.50	1.13	0.50	1.37	0.50	0.50	0.50	0.81
EE0011R	lead	0.50	2.20	2.10	0.50	8.80	3.10	3.90	0.50	-	0.50	0.50	2.50	1.49
ES0008R	lead	1.02	0.57	0.58	1.64	1.35	3.83	2.29	2.24	5.31	0.89	0.90	0.86	1.48
ES0009R	lead	1.43	1.09	0.64	0.83	1.29	16.22	5.20	5.80	1.02	2.22	1.56	0.68	4.07

Site	Comp	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
FI0008R	lead	0.43	0.42	0.49	0.58	0.79	0.38	0.29	0.06	0.11	0.10	0.18	0.58	0.30
FI0017R	lead	3.03	2.48	4.97	2.48	1.94	0.71	0.43	0.74	0.74	1.40	1.54	3.88	1.69
FI0022R	lead	0.44	0.38	0.81	1.09	0.51	0.38	0.46	0.43	0.20	0.17	0.32	0.32	0.42
FI0036R	lead	0.47	0.34	1.25	0.52	0.41	0.23	0.21	0.18	0.29	0.14	0.15	0.33	0.31
FI0053R	lead	1.01	1.61	3.01	1.51	0.64	0.47	0.21	0.75	0.28	0.35	0.84	1.26	0.65
FI0092R	lead	1.34	0.47	2.17	3.80	1.32	0.34	0.42	0.54	0.51	0.45	0.49	1.99	0.95
FI0093R	lead	1.23	0.80	0.83	3.17	1.23	0.49	0.18	0.65	0.89	0.61	0.46	0.95	0.82
FR0009R	lead	-	-	-	-	-	0.79	0.35	0.39	0.35	0.37	0.63	0.98	0.43
FR0013R	lead	0.30	0.20	0.10	0.25	0.31	0.29	0.13	0.11	0.19	0.15	0.05	0.11	0.18
FR0090R	lead	0.22	0.29	0.65	0.65	0.28	0.32	0.49	0.28	0.26	0.45	0.34	0.40	0.37
GB0006R	lead	-	-	0.39	2.49	0.10	0.15	0.13	0.09	0.03	0.02	0.02	0.02	0.11
GB0013R	lead	0.10	0.14	0.69	0.30	0.96	0.37	0.17	0.13	0.09	0.24	0.39	0.04	0.29
GB0017R	lead	-	-	-	-	-	-	1.00	1.00	0.39	0.51	0.92	0.92	0.75
GB0091R	lead	0.22	0.03	-	0.34	3.17	0.55	0.25	0.33	0.55	0.55	0.25	0.32	0.39
HU0002R	lead	1.52	-	1.51	2.36	3.20	1.29	1.85	3.45	0.94	1.08	2.69	2.28	1.80
IE0001R	lead	-	0.50	0.50	0.50	0.50	0.50	0.50	0.50	-	0.50	0.50	0.50	0.50
IS0090R	lead	0.53	0.19	0.14	0.45	1.25	0.74	0.79	0.22	0.09	0.45	0.16	0.16	0.31
IS0091R	lead	0.24	0.39	0.16	0.33	1.28	0.82	0.27	0.35	0.07	0.19	0.24	0.19	0.26
IT0001R	lead	-	-	0.16	-	-	-	-	-	0.89	-	-	0.10	-
LT0015R	lead	6.45	1.86	2.39	2.61	1.80	1.03	2.01	1.60	0.45	1.34	1.03	3.91	2.05
LV0010R	lead	7.78	10.57	5.64	1.44	1.07	0.35	0.63	0.96	1.86	1.19	6.63	3.45	3.04
LV0016R	lead	2.34	1.37	1.10	1.94	2.94	0.44	0.41	1.06	0.73	0.99	0.67	0.52	1.05
NL0009R	lead	0.60	0.57	0.81	1.00	1.28	1.05	0.67	0.74	0.58	0.28	0.26	0.35	0.62
NL0091R	lead	0.67	0.60	0.96	2.50	1.52	1.88	0.74	0.72	0.91	0.72	0.65	0.66	0.87
NO0001R	lead	1.10	0.68	0.95	1.90	1.08	0.67	0.29	0.23	0.38	0.46	0.52	1.00	0.78
NO0039R	lead	0.05	0.07	0.09	0.15	0.35	0.14	0.16	0.08	0.09	0.10	0.04	0.05	0.10
NO0047R	lead	1.10	-	1.54	1.55	1.22	1.01	0.70	0.42	1.26	0.48	1.25	1.40	0.84
NO0055R	lead	0.11	0.57	0.41	0.35	1.16	0.45	0.25	0.11	0.17	0.87	0.25	0.62	0.38
NO0056R	lead	0.83	1.48	1.44	1.27	0.99	0.46	0.34	0.23	0.34	0.43	0.59	1.08	0.75
PL0004R	lead	1.23	0.57	0.38	2.83	1.81	1.08	0.54	0.40	0.95	0.66	0.62	0.62	0.78
PL0005R	lead	1.18	1.77	0.70	1.21	0.38	0.46	0.50	0.67	0.50	0.66	0.74	0.41	0.76
PT0001R	lead	-	-	-	-	0.65	-	-	-	0.65	0.65	5.62	-	-
PT0003R	lead	0.65	-	10.09	0.65	-	-	-	0.65	0.65	1.74	0.73	-	-
PT0004R	lead	0.65	0.65	0.65	0.65	0.65	-	-	-	0.65	0.65	0.65	-	-
PT0010R	lead	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
SE0051R	lead	1.18	1.09	0.60	1.20	0.81	0.89	0.35	0.31	0.56	0.39	0.47	0.48	0.62
SE0097R	lead	0.79	0.74	0.76	0.80	0.81	0.41	0.24	0.12	0.29	0.42	0.52	0.91	0.54
SI0008R	lead	1.22	0.65	0.78	1.13	1.34	0.84	1.04	0.77	0.61	0.73	0.83	0.32	0.80

Site	Comp	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
SK0002R	lead	2.75	2.77	1.38	3.85	4.73	2.72	2.32	12.62	1.64	2.62	2.04	1.90	3.38
SK0004R	lead	2.91	6.00	0.86	2.62	4.52	1.63	0.80	1.53	0.77	1.62	1.11	1.55	1.83
SK0006R	lead	1.93	3.21	2.00	2.15	2.68	1.63	2.38	2.37	0.88	1.79	2.71	2.52	2.12
SK0007R	lead	0.94	1.05	1.72	2.70	1.37	1.40	0.82	1.30	0.82	0.91	2.48	1.03	1.29
DE0001R	manganese	1.09	0.80	0.68	1.35	39.40	1.94	0.84	0.58	13.97	0.78	0.93	0.48	2.40
DE0002R	manganese	6.31	1.62	1.18	2.34	29.21	3.07	1.10	1.75	13.62	0.49	0.72	44.81	4.09
DE0003R	manganese	0.26	0.38	0.49	-	4.65	2.00	2.84	0.76	1.64	0.96	0.39	0.28	1.26
DE0007R	manganese	1.15	3.22	1.37	7.22	83.49	2.98	1.84	3.38	1.43	1.76	15.59	1.34	4.99
DE0008R	manganese	13.90	0.99	0.91	1.52	7.21	5.12	5.01	1.01	1.56	0.88	0.83	0.59	2.61
DE0009R	manganese	40.38	2.79	1.40	0.74	5.58	8.25	2.49	3.69	1.51	10.35	4.02	1.20	5.86
FI0008R	manganese	0.21	8.67	0.24	1.27	1.44	0.97	1.51	0.48	3.10	6.35	0.30	1.79	1.98
FI0017R	manganese	2.07	4.98	10.36	3.68	33.90	5.07	1.07	2.77	2.12	1.05	0.87	3.76	3.16
FI0022R	manganese	0.24	1.31	1.58	2.07	0.94	5.95	0.70	1.65	1.61	0.27	0.57	0.38	1.22
FI0036R	manganese	0.24	0.49	0.84	0.84	0.96	1.29	4.29	1.22	1.84	0.18	0.27	0.31	1.30
FI0053R	manganese	1.05	2.24	23.59	2.53	2.65	2.97	0.79	4.46	2.55	0.92	3.00	3.47	2.34
FI0092R	manganese	0.58	0.56	3.03	3.15	9.43	6.94	0.91	0.97	0.92	0.65	0.39	1.39	1.60
FI0093R	manganese	1.02	1.35	2.06	2.63	9.46	5.43	0.93	1.65	2.78	1.20	1.11	0.75	2.13
IE0001R	manganese	-	4.30	2.60	5.70	3.00	5.40	4.10	2.40	-	0.50	0.50	0.50	2.55
IS0090R	manganese	2.62	1.57	1.95	9.13	7.78	30.25	5.32	2.25	1.09	3.20	2.90	1.75	2.97
IS0091R	manganese	1.21	5.76	3.92	6.08	6.09	13.68	4.49	4.75	1.35	3.52	1.62	3.14	3.45
LV0010R	manganese	2.71	7.58	1.77	10.20	10.13	10.90	5.09	4.90	3.24	1.03	1.42	1.59	3.95
LV0016R	manganese	3.56	2.51	2.36	5.60	32.51	8.49	4.63	7.18	8.05	1.22	0.62	2.26	4.56
PT0001R	manganese	-	-	-	-	1.08	-	-	-	1.08	1.08	18.56	-	-
PT0003R	manganese	1.17	-	1.35	1.08	-	-	-	1.74	1.08	2.20	1.08	-	-
PT0004R	manganese	4.39	1.95	1.08	4.07	1.08	-	-	-	7.04	1.08	1.08	-	-
PT0010R	manganese	4.52	1.08	2.72	1.08	1.08	1.08	1.08	3.00	1.39	1.80	1.24	1.08	1.66
SE0051R	manganese	3.00	3.20	1.90	7.80	30.10	25.70	3.60	2.08	4.20	5.30	3.30	2.40	4.69
SE0097R	manganese	0.80	1.05	0.70	1.08	3.04	4.17	1.07	0.69	0.59	0.26	1.20	0.40	0.95
BE0014R	mercury	6.38	8.82	32.83	8.69	6.32	10.33	13.17	18.70	4.96	4.31	4.85	4.41	11.21
DE0001R	mercury	7.62	4.54	4.01	7.45	27.08	8.28	14.52	5.81	4.93	3.35	4.63	11.21	6.28
DE0002R	mercury	3.52	10.79	8.61	11.51	10.62	17.94	9.18	13.41	12.68	4.43	4.57	6.23	9.22
DE0003R	mercury	3.57	10.10	7.46	7.34	9.75	11.54	16.75	9.71	6.66	6.03	4.39	3.10	8.00
DE0008R	mercury	5.95	4.07	5.89	9.31	15.76	19.73	14.17	10.81	9.51	6.46	5.22	4.82	8.59
DE0009R	mercury	6.02	6.36	5.46	5.56	11.00	19.05	7.07	8.40	6.24	4.35	8.24	5.25	6.88
ES0008R	mercury	7.04	7.04	7.34	4.41	2.72	9.00	9.27	12.43	3.84	-	3.06	2.78	5.22
FI0096G	mercury	7.50	7.29	7.10	5.77	12.20	7.46	10.30	5.74	5.30	3.80	-	-	7.50
GB0013R	mercury	10.25	8.40	17.99	23.34	5.01	8.81	3.02	3.41	4.75	4.42	3.03	2.03	6.83
GB0017R	mercury	-	8.15	11.60	12.50	-	-	-	-	-	2.50	2.50	3.05	-
GB0091R	mercury	5.10	4.78	4.35	7.37	9.25	7.20	5.66	4.93	3.33	2.52	2.01	1.66	4.56

Site	Comp	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
IE0001R	mercury	-	50.00	50.00	50.00	50.00	50.00	50.00	50.00	-	50.00	50.00	50.00	50.00
LV0010R	mercury	15.84	16.04	19.81	33.23	18.70	40.01	24.93	23.81	24.02	30.00	29.41	29.40	26.21
LV0016R	mercury	10.00	13.57	10.00	27.34	30.63	30.00	25.76	30.00	14.05	15.54	25.07	30.00	22.03
NL0091R	mercury	4.29	8.82	9.29	12.51	14.47	29.58	14.32	16.77	14.45	8.05	6.17	5.20	10.65
NO0001R	mercury	3.14	6.80	7.42	9.60	18.00	16.00	9.95	6.84	5.08	3.99	4.23	1.80	6.40
PL0005R	mercury	116.63	51.74	44.08	73.43	38.54	19.48	17.38	25.58	41.55	46.16	55.01	48.02	42.26
SE0014R	mercury	7.80	9.49	7.90	15.49	41.00	17.61	7.85	4.90	9.13	5.80	6.45	7.40	8.64
SI0008R	mercury	-	-	-	-	-	-	-	-	-	-	10.30	8.74	-
BE0014R	nickel	0.40	0.27	0.27	0.26	0.99	0.62	0.78	0.26	0.30	0.58	0.27	0.51	0.49
CZ0001R	nickel	3.33	4.14	2.28	1.46	0.70	0.55	0.53	1.12	0.57	2.37	2.03	4.63	1.54
CZ0003R	nickel	1.75	0.73	0.50	0.50	0.50	0.63	0.50	0.60	0.80	2.02	0.96	0.72	0.81
DE0001R	nickel	0.31	0.25	0.17	0.28	0.70	0.30	0.27	0.24	0.22	0.17	0.23	0.43	0.24
DE0002R	nickel	0.19	0.33	0.27	0.33	0.30	0.30	0.19	0.23	0.24	0.16	0.21	0.22	0.24
DE0003R	nickel	0.10	0.10	0.07	-	0.25	0.16	0.20	0.14	0.13	0.16	0.14	0.07	0.14
DE0007R	nickel	0.31	0.76	0.28	0.32	0.82	0.30	0.21	0.34	0.32	0.19	0.27	0.32	0.31
DE0008R	nickel	0.41	0.71	0.28	0.34	0.61	0.56	0.28	0.31	0.93	0.22	0.48	1.15	0.47
DE0009R	nickel	0.39	0.35	0.27	0.17	0.39	0.74	0.25	0.21	0.32	0.31	0.55	0.94	0.34
DK0005R	nickel	0.50	2.14	1.60	7.30	5.39	3.45	0.45	0.56	0.37	0.57	0.54	0.28	0.95
DK0008R	nickel	0.38	0.41	0.23	0.44	1.57	0.47	0.29	0.21	0.30	0.27	0.18	0.19	0.28
DK0020R	nickel	0.22	0.90	0.24	0.32	0.50	0.63	0.54	-	0.18	0.63	0.63	0.35	0.38
DK0022R	nickel	0.26	0.27	0.15	0.51	-	0.26	0.25	0.17	0.18	0.15	0.17	0.30	0.22
DK0031R	nickel	0.20	0.22	0.22	0.30	1.14	0.27	0.06	0.17	0.14	0.12	0.15	0.32	0.17
ES0008R	nickel	49.10	81.31	147.96	85.60	57.83	34.13	56.89	5.62	1.34	0.68	1.16	0.76	40.21
ES0009R	nickel	1.14	0.68	2.10	0.55	2.02	2.42	3.48	5.85	0.58	1.27	3.59	26.74	2.56
FI0008R	nickel	0.63	0.50	0.57	1.83	0.20	0.74	0.24	0.38	0.45	0.18	0.24	0.72	0.45
FI0017R	nickel	0.34	0.42	0.71	0.25	0.71	0.22	0.08	0.18	0.25	0.17	0.20	0.43	0.25
FI0022R	nickel	0.11	0.11	0.26	0.18	0.27	0.22	0.08	0.17	0.14	0.09	0.07	0.12	0.14
FI0036R	nickel	0.11	0.13	0.61	2.08	0.25	0.14	0.11	0.18	0.07	0.06	0.05	0.31	0.26
FI0053R	nickel	0.18	0.57	0.72	0.21	0.33	0.14	0.09	0.24	0.25	0.11	0.27	0.27	0.18
FI0092R	nickel	0.18	0.11	0.29	0.30	0.89	0.17	0.13	0.10	0.17	0.09	0.07	0.24	0.16
FI0093R	nickel	0.13	0.14	0.16	0.22	0.58	0.15	0.09	2.22	0.27	0.10	0.09	0.15	0.50
FR0009R	nickel	-	-	-	-	-	0.94	0.31	0.22	0.25	0.28	0.11	0.75	-
FR0013R	nickel	0.23	0.34	0.08	0.20	0.11	0.06	0.20	0.27	0.25	0.22	0.05	0.18	0.15
FR0090R	nickel	0.21	0.30	0.64	0.41	0.25	0.18	0.30	0.16	0.31	0.42	0.33	0.24	0.31
GB0006R	nickel	-	-	0.11	0.68	0.04	0.07	0.11	0.06	0.02	0.08	0.09	0.09	0.07
GB0013R	nickel	0.11	0.15	0.28	0.19	0.28	0.33	0.17	0.17	0.16	0.15	0.16	0.05	0.17
GB0017R	nickel	-	-	-	-	-	-	0.22	0.22	0.14	0.15	0.18	0.18	-
GB0091R	nickel	0.08	0.07	-	0.23	4.07	0.18	0.23	0.11	0.13	0.14	0.06	0.05	0.18
IE0001R	nickel	-	0.50	0.50	0.50	0.50	0.50	0.50	0.50	-	0.50	0.50	0.50	0.50

Site	Comp	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
IS0090R	nickel	0.97	0.32	0.34	2.31	1.71	2.36	1.08	0.61	0.12	0.48	0.35	0.13	0.50
IS0091R	nickel	0.58	0.29	0.28	0.70	1.56	1.43	0.77	0.18	0.08	0.16	0.37	0.25	0.39
LT0015R	nickel	6.72	0.41	0.91	1.49	1.14	0.47	1.02	6.47	0.54	0.47	0.33	0.49	2.08
LV0010R	nickel	1.06	2.47	1.26	1.58	1.05	0.41	1.39	0.58	0.32	0.16	0.50	0.56	0.73
LV0016R	nickel	1.22	1.37	1.93	0.62	1.19	0.96	1.85	0.89	1.30	0.37	0.25	0.50	1.00
NL0009R	nickel	0.21	0.21	0.21	0.27	0.36	0.34	0.21	0.21	0.21	0.21	0.21	0.21	0.22
NL0091R	nickel	0.21	0.24	0.21	0.43	0.33	0.36	0.27	0.21	0.24	0.31	0.22	0.21	0.24
NO0001R	nickel	0.14	0.10	0.10	0.15	0.14	0.15	0.13	0.11	0.18	0.17	0.10	0.10	0.13
NO0047R	nickel	56.03	-	101.82	14.80	45.56	52.52	21.04	10.77	83.30	10.39	14.28	31.93	29.80
PL0004R	nickel	0.22	0.28	0.15	0.21	0.21	0.11	0.08	0.09	0.10	0.19	0.12	0.20	0.14
PL0005R	nickel	0.50	1.43	1.08	0.48	0.16	0.77	0.29	0.75	0.37	0.45	0.26	0.56	0.61
PT0001R	nickel	-	-	-	-	0.78	-	-	-	0.78	0.78	0.78	-	-
PT0003R	nickel	0.78	-	0.78	0.78	-	-	-	0.78	0.78	0.78	0.78	-	-
PT0004R	nickel	0.78	0.78	0.78	0.78	0.78	-	-	-	0.78	0.78	0.78	-	-
PT0010R	nickel	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SE0051R	nickel	0.03	0.03	0.03	0.40	2.60	0.50	0.52	0.15	0.14	0.21	0.16	0.18	0.23
SE0097R	nickel	0.22	0.35	0.16	0.21	0.48	0.30	0.44	0.04	0.07	0.16	0.23	0.32	0.20
SI0008R	nickel	0.38	0.17	0.37	0.15	0.15	0.15	0.31	0.17	0.15	0.35	0.34	0.15	0.22
SK0002R	nickel	0.38	0.30	0.18	0.94	0.99	1.29	0.74	0.57	0.51	0.70	0.31	0.73	0.64
SK0004R	nickel	0.55	0.25	0.24	0.72	0.72	1.21	0.30	0.34	0.06	0.36	0.12	0.94	0.55
SK0006R	nickel	0.30	0.23	0.05	0.57	0.61	1.57	0.22	0.79	0.06	0.26	0.54	0.95	0.60
SK0007R	nickel	1.80	2.20	1.07	0.97	0.54	2.93	0.73	0.11	0.06	0.08	0.78	0.56	0.84
DE0001R	vanadium	0.55	0.66	0.43	0.45	0.70	0.41	0.39	0.40	0.37	0.35	0.45	0.69	0.44
DE0002R	vanadium	0.23	0.43	0.32	0.39	0.23	0.40	0.17	0.20	0.32	0.13	0.21	0.36	0.26
DE0003R	vanadium	0.12	0.18	0.11	-	0.36	0.20	0.26	0.20	0.17	0.17	0.17	0.12	0.18
DE0007R	vanadium	0.22	0.55	0.31	0.47	0.45	0.31	0.19	0.37	0.39	0.20	0.24	0.48	0.31
DE0008R	vanadium	0.34	0.21	0.19	0.23	0.33	0.45	0.21	0.19	0.32	0.15	0.21	0.22	0.23
DE0009R	vanadium	0.39	0.66	0.40	0.35	0.55	1.29	0.46	0.40	0.54	0.31	0.56	0.83	0.48
FI0008R	vanadium	0.20	0.25	0.20	0.74	0.14	0.15	0.10	0.03	0.06	0.11	0.13	0.42	0.14
FI0017R	vanadium	0.98	1.32	1.95	0.61	1.30	0.32	0.20	0.30	0.38	0.43	0.50	1.12	0.61
FI0022R	vanadium	0.17	0.25	0.42	0.42	0.31	0.26	0.11	0.14	0.09	0.15	0.15	0.16	0.19
FI0036R	vanadium	0.23	0.25	0.35	0.60	0.33	0.09	0.11	0.14	0.05	0.11	0.11	0.24	0.18
FI0053R	vanadium	0.47	0.79	2.19	0.53	0.34	0.41	0.14	0.47	0.43	0.29	0.81	1.00	0.43
FI0092R	vanadium	0.48	0.30	0.77	0.46	1.07	0.22	0.13	0.17	0.32	0.17	0.18	0.51	0.30
FI0093R	vanadium	0.31	0.35	0.43	0.45	0.57	0.30	0.15	0.20	0.41	0.21	0.23	0.39	0.29
IE0001R	vanadium	-	0.50	0.50	0.50	0.50	0.50	0.50	0.50	-	0.50	0.50	0.50	0.50
IS0090R	vanadium	0.89	1.61	0.93	1.38	1.30	4.54	0.96	0.76	1.33	1.84	1.84	2.45	1.53
IS0091R	vanadium	0.27	1.23	0.74	1.24	1.10	2.74	0.93	0.58	0.25	0.66	0.33	0.82	0.70
NO0001R	vanadium	1.16	1.24	0.83	0.70	0.30	0.82	0.38	0.33	0.39	0.64	0.89	0.82	0.78

Site	Comp	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
SE0051R	vanadium	0.81	1.10	0.50	0.66	0.80	0.94	0.41	0.32	0.53	0.55	0.89	1.16	0.66
SE0097R	vanadium	0.80	1.50	0.80	0.48	0.40	0.68	0.58	0.39	0.32	0.89	0.80	1.10	0.74
BE0014R	zinc	26.14	22.25	14.65	32.05	27.73	26.29	39.26	15.92	15.41	10.31	8.48	6.22	18.65
CZ0001R	zinc	13.96	16.44	21.59	26.95	16.04	20.03	13.39	20.44	24.85	20.74	33.08	90.23	23.33
CZ0003R	zinc	20.59	40.92	24.25	34.90	13.02	36.67	21.56	14.18	31.13	21.24	14.67	35.35	23.76
DE0001R	zinc	4.84	4.13	2.97	13.57	18.16	4.83	6.45	3.37	4.20	2.85	4.07	8.58	4.45
DE0003R	zinc	4.41	3.75	2.92	-	5.22	4.93	5.06	2.89	2.26	3.29	2.59	2.09	3.51
DE0007R	zinc	4.01	8.83	5.97	7.28	16.07	6.42	6.63	6.34	4.53	5.12	4.76	9.13	6.10
DE0008R	zinc	20.03	17.63	11.83	9.23	15.35	11.75	11.19	10.10	9.36	5.20	9.53	7.91	10.74
DE0009R	zinc	5.98	8.38	5.73	7.63	17.09	20.91	8.21	7.45	7.56	4.56	8.58	12.32	8.18
DK0005R	zinc	18.13	31.78	30.25	286.52	86.69	62.97	9.78	15.90	6.38	30.94	14.00	11.26	23.84
DK0008R	zinc	15.27	14.05	6.98	17.76	40.22	17.56	5.51	6.29	6.32	5.91	12.48	12.01	9.53
DK0020R	zinc	5.51	40.90	6.20	10.50	16.65	14.74	32.33	-	14.10	9.99	9.99	11.09	13.94
DK0022R	zinc	4.69	4.33	2.80	21.14	-	8.40	8.16	3.06	5.47	3.39	3.79	9.08	5.37
DK0031R	zinc	3.24	5.25	5.28	8.03	41.71	6.47	2.70	2.75	2.92	3.44	7.24	18.63	4.56
EE0009R	zinc	5.00	12.20	10.00	11.00	10.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	6.00
EE0011R	zinc	11.00	5.00	10.00	67.00	32.00	29.00	5.00	5.00	-	5.00	5.00	5.00	12.86
ES0008R	zinc	20.22	19.00	20.51	243.38	26.26	98.34	274.63	100.11	34.16	40.45	27.42	23.17	62.97
ES0009R	zinc	43.45	35.43	52.34	192.71	43.38	140.49	205.51	142.64	14.39	35.74	43.07	39.98	83.80
FI0008R	zinc	1.62	5.79	1.57	3.33	5.71	1.94	1.65	1.11	1.46	0.77	0.93	2.97	1.88
FI0017R	zinc	7.99	7.56	14.66	6.55	16.39	6.42	4.71	3.53	3.70	4.36	5.20	11.78	6.18
FI0022R	zinc	1.43	1.40	2.32	3.59	2.27	3.27	1.91	1.71	7.54	0.80	1.15	1.43	2.09
FI0036R	zinc	1.58	1.40	3.95	17.45	2.45	0.99	1.76	1.50	5.22	1.00	0.54	1.46	2.57
FI0053R	zinc	4.36	8.28	13.02	5.48	47.58	3.15	2.65	8.74	2.44	6.16	4.95	6.20	5.81
FI0092R	zinc	3.36	1.85	7.32	9.85	10.34	2.94	1.16	1.92	6.72	1.69	1.65	5.59	3.35
FI0093R	zinc	3.40	2.78	3.09	9.82	17.62	2.90	1.12	2.44	4.39	5.40	1.92	3.30	3.88
FR0009R	zinc	-	-	-	-	-	4.17	2.85	2.91	2.65	5.04	5.38	10.40	3.89
FR0013R	zinc	4.32	5.54	1.76	2.34	1.91	1.68	1.99	1.60	2.06	2.32	0.74	1.91	1.95
FR0090R	zinc	0.84	2.62	1.38	2.49	2.76	1.53	1.66	1.75	2.05	1.75	1.59	1.21	1.81
GB0006R	zinc	-	-	3.24	16.10	1.94	1.97	1.44	0.31	0.25	0.25	0.25	0.25	1.13
GB0013R	zinc	0.62	1.79	3.05	5.68	4.35	3.23	1.41	1.17	1.33	3.00	2.53	1.94	2.17
GB0017R	zinc	-	-	-	-	-	-	5.70	5.70	3.53	3.52	3.86	3.86	4.36
GB0091R	zinc	1.85	1.41	-	18.00	11.91	3.83	1.68	1.91	2.52	3.99	1.31	1.01	2.57
IE0001R	zinc	-	0.50	0.50	0.50	3.10	10.20	10.10	2.70	-	8.48	6.00	18.90	6.20
IS0090R	zinc	9.18	2.13	2.59	14.90	14.46	12.52	7.14	4.20	1.52	5.63	5.00	3.08	4.45
IS0091R	zinc	7.78	13.64	5.20	6.68	16.27	9.67	20.44	31.30	5.72	7.46	6.20	8.59	10.55
IT0001R	zinc	8.43	-	9.04	1.48	2.31	2.20	1.59	-	2.30	1.04	1.57	2.17	4.06
LT0015R	zinc	254.85	27.43	55.25	61.21	9.26	32.62	63.00	52.10	13.82	35.01	45.16	73.88	62.78
LV0010R	zinc	32.46	37.23	29.42	26.42	24.51	10.62	16.33	13.72	9.31	12.52	12.86	13.11	17.21
LV0016R	zinc	28.41	22.78	20.55	9.15	34.68	8.81	9.49	7.77	10.62	15.33	10.14	5.63	13.35

Site	Comp	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
NL0009R	zinc	4.29	2.88	4.11	4.91	6.38	4.26	2.56	2.01	3.62	2.31	2.60	2.81	3.11
NL0091R	zinc	2.35	5.04	2.99	7.50	6.54	6.58	2.72	2.30	4.12	3.71	2.33	4.86	3.44
NO0001R	zinc	4.09	2.51	3.11	6.26	4.74	2.77	1.37	0.84	1.73	1.89	1.67	3.47	2.86
NO0039R	zinc	1.24	0.47	0.39	2.62	3.70	0.68	0.89	1.98	2.79	1.18	0.07	0.29	1.16
NO0047R	zinc	17.40	-	15.43	17.40	7.22	3.96	4.08	1.50	3.25	3.89	4.04	8.10	4.71
NO0055R	zinc	3.38	6.81	6.70	11.14	20.05	6.78	3.11	1.18	2.50	18.02	15.26	20.67	7.59
NO0056R	zinc	10.42	11.32	8.00	16.82	8.23	4.74	2.78	1.85	5.72	5.94	3.90	7.28	7.03
PL0004R	zinc	3.96	4.90	1.81	9.58	17.24	12.18	11.22	11.60	8.18	7.88	2.65	9.74	7.72
PL0005R	zinc	6.64	8.45	8.98	8.79	7.43	5.53	4.38	4.17	2.93	3.01	3.44	3.06	5.56
PT0001R	zinc	-	-	-	-	-	-	-	-	1.00	10.00	156.22	-	-
PT0003R	zinc	-	-	-	-	-	-	-	1.00	1.00	70.80	261.65	-	-
PT0004R	zinc	-	-	-	-	-	-	-	-	1.00	1.00	95.03	-	-
PT0010R	zinc	-	-	-	-	-	1.00	1.00	1.00	1.00	62.76	41.43	20.00	-
SE0051R	zinc	6.56	6.83	4.28	15.75	11.46	12.31	4.52	2.73	6.67	3.73	4.99	4.39	5.64
SE0097R	zinc	3.80	6.41	3.70	4.05	6.07	4.34	2.27	0.95	2.57	1.87	3.00	5.00	3.23
SI0008R	zinc	2.67	2.64	2.54	2.51	4.07	2.18	2.76	2.92	1.74	2.44	4.38	0.96	2.45
SK0002R	zinc	16.60	18.42	9.25	14.46	22.41	18.57	30.12	41.85	13.13	28.67	17.59	8.80	20.92
SK0004R	zinc	11.78	20.09	9.32	10.16	17.08	12.07	4.29	22.41	5.27	6.30	8.38	17.12	11.48
SK0006R	zinc	6.27	9.35	8.11	5.13	11.09	7.06	16.88	18.98	3.14	12.17	7.24	11.53	10.17
SK0007R	zinc	11.49	10.81	15.25	11.35	6.21	24.55	8.41	15.76	4.25	1.79	24.77	7.14	11.92
BE0014R	mm precip.	18.24	12.48	69.05	12.78	76.95	44.46	47.67	74.01	66.07	60.77	64.78	39.20	586.46
BE0014R	mm precip. (Hg)	26.65	18.49	65.73	13.97	73.14	46.90	42.26	78.79	63.24	55.67	71.73	38.27	594.84
CZ0001R	mm precip.	31.06	39.23	75.51	41.11	85.59	83.40	97.83	64.83	72.39	30.53	37.56	32.41	691.25
CZ0003R	mm precip.	33.54	32.27	51.19	26.96	51.04	49.50	50.76	61.07	26.11	33.74	62.70	27.53	506.18
DE0001R	mm precip.	61.75	47.92	74.13	23.03	5.57	35.40	70.95	187.75	85.33	145.47	76.50	36.40	850.20
DE0001R	mm precip. (Hg)	64.53	50.66	81.61	23.23	5.07	34.50	65.33	187.24	71.30	142.84	85.20	38.69	850.20
DE0002R	mm precip.	86.35	39.05	56.40	51.23	18.17	57.10	100.00	89.90	24.32	75.38	45.50	11.30	654.70
DE0002R	mm precip. (Hg)	88.94	38.04	62.51	53.14	19.06	57.20	97.51	90.86	24.47	76.67	45.70	14.09	668.20
DE0003R	mm precip.	117.65	69.42	145.43	225.97	122.07	118.87	119.30	175.20	126.00	189.50	90.10	108.90	1608.40
DE0003R	mm precip. (Hg)	119.76	67.67	147.17	218.53	116.23	134.04	118.63	174.49	130.27	191.74	95.74	103.43	1617.70
DE0007R	mm precip.	60.90	20.90	51.30	50.87	7.33	46.60	61.85	49.95	33.92	46.82	44.27	16.30	491.00
DE0008R	mm precip.	78.40	82.17	127.63	96.90	19.33	40.67	120.45	118.05	90.60	163.23	92.67	86.70	1116.80
DE0008R	mm precip. (Hg)	81.74	74.76	135.90	110.00	23.03	53.27	131.30	126.36	96.86	185.91	92.21	82.16	1193.50
DE0009R	mm precip.	34.25	25.38	55.57	99.50	18.80	20.00	52.45	56.15	42.02	60.82	48.57	19.70	533.20
DE0009R	mm precip. (Hg)	37.55	32.75	59.25	102.39	18.51	22.69	51.93	60.23	32.02	77.74	60.94	30.54	587.07
DK0005R	mm precip.	35.66	27.08	49.17	28.44	23.55	17.56	41.42	51.24	25.94	48.86	44.02	33.44	426.39
DK0008R	mm precip.	61.00	23.73	60.38	14.96	6.85	28.18	61.37	167.94	30.62	74.21	71.99	33.73	634.95
DK0020R	mm precip.	35.40	22.63	63.80	37.94	14.71	35.22	29.73	110.76	68.72	112.58	25.89	49.82	607.21
DK0022R	mm precip.	92.02	48.09	119.15	39.65	0.74	38.43	90.24	122.57	55.40	140.71	79.32	22.39	848.72
DK0031R	mm precip.	113.96	54.53	85.12	28.66	4.19	66.30	119.96	121.53	100.23	182.45	87.49	19.76	984.17

Site	Comp	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
EE0009R	mm precip.	52.90	54.60	53.00	21.60	18.20	183.70	50.90	172.10	64.75	79.80	87.60	42.00	880.70
EE0011R	mm precip.	41.40	27.10	37.90	35.50	7.00	69.00	45.20	146.20	38.50	4.80	123.80	33.00	609.05
ES0008R	mm precip.	42.18	18.33	172.81	140.05	188.26	109.53	30.23	62.11	60.61	290.06	183.37	155.36	1452.89
ES0008R	mm precip. (Hg)	42.18	18.33	172.81	140.05	188.26	109.53	30.23	62.11	60.61	290.06	183.37	155.36	1452.89
ES0009R	mm precip.	7.70	24.24	13.21	88.55	131.76	100.13	7.64	17.19	55.69	89.42	25.38	19.15	580.05
FI0008R	mm precip.	19.00	14.20	25.60	4.80	15.40	63.70	62.80	43.40	18.70	40.30	25.50	9.90	343.22
FI0017R	mm precip.	52.70	44.80	15.50	35.10	9.60	65.60	52.30	86.70	29.60	126.20	70.50	46.90	635.12
FI0022R	mm precip.	46.60	29.30	27.90	26.50	37.80	36.80	96.40	67.50	32.50	82.50	47.80	41.60	572.87
FI0036R	mm precip.	55.10	27.10	25.80	34.40	28.10	92.70	90.40	53.40	28.40	63.30	57.60	36.00	592.01
FI0053R	mm precip.	30.80	10.40	7.10	36.10	10.20	62.70	83.00	22.90	29.10	82.90	23.20	14.30	412.59
FI0092R	mm precip.	67.70	43.00	32.90	44.80	14.40	43.00	76.30	81.80	32.60	128.10	75.50	33.00	672.83
FI0093R	mm precip.	71.10	57.40	55.90	39.40	25.20	92.30	50.20	135.00	13.70	110.80	78.60	62.00	791.10
FI0096G	mm precip. (Hg)	2.54	8.79	13.06	16.95	4.61	102.01	79.54	55.00	21.26	16.64	-	-	320.40
FR0009R	mm precip.	0.00	0.00	0.00	0.00	0.00	10.24	77.36	94.82	111.37	101.76	92.47	8.27	496.30
FR0013R	mm precip.	23.60	15.60	97.81	65.78	125.86	85.56	62.04	72.81	32.50	103.62	86.53	17.95	789.66
FR0090R	mm precip.	157.00	95.32	102.64	90.71	141.62	40.47	88.03	147.69	105.31	118.49	126.31	48.39	1262.00
GB0006R	mm precip.	0.00	105.90	72.10	9.90	128.87	148.24	158.55	184.99	186.64	138.79	128.55	34.28	1296.80
GB0013R	mm precip.	141.27	48.37	125.60	66.41	139.50	56.04	129.29	185.41	118.70	103.73	60.33	87.54	1262.20
GB0013R	mm precip. (Hg)	37.87	70.67	83.61	66.64	142.25	46.27	138.21	148.65	103.78	83.52	97.39	59.90	1078.51
GB0017R	mm precip.	0.00	9.17	33.56	35.96	32.55	31.50	60.11	63.07	70.23	74.08	74.03	44.54	528.35
GB0017R	mm precip. (Hg)	-	9.70	33.89	36.50	33.43	32.35	33.43	33.43	32.35	42.97	68.13	38.13	393.96
GB0091R	mm precip.	36.77	8.21	58.63	66.86	20.91	68.58	80.44	82.22	60.78	39.63	113.01	50.92	686.94
GB0091R	mm precip. (Hg)	36.36	25.42	3.63	47.03	34.73	51.31	81.12	75.38	63.70	42.26	89.07	63.49	612.96
HU0002R	mm precip.	13.50	4.10	33.50	23.70	21.40	124.40	88.10	28.10	47.20	20.20	21.90	43.00	468.70
IE0001R	mm precip.	277.00	108.00	164.00	51.00	103.00	148.00	93.00	182.00	88.00	245.00	112.00	104.00	1673.74
IE0001R	mm precip. (Hg)	277.00	108.00	164.00	51.00	103.00	148.00	93.00	182.00	88.00	245.00	112.00	104.00	1673.74
IS0090R	mm precip.	45.80	94.10	39.30	15.70	25.37	9.03	80.10	76.40	155.30	77.40	73.10	108.60	800.20
IS0091R	mm precip.	158.27	111.93	100.70	144.10	72.79	49.91	100.50	94.70	241.30	62.60	202.80	181.60	1521.20
IT0001R	mm precip.	92.80	0.00	271.20	78.60	139.40	122.00	47.90	0.00	83.60	100.80	92.80	148.60	1177.70
LT0015R	mm precip.	47.30	39.11	46.24	43.64	9.70	33.03	66.66	88.81	38.56	56.37	88.40	15.57	573.40
LV0010R	mm precip.	70.93	45.56	53.89	42.61	19.11	57.73	70.09	160.27	66.41	182.81	104.87	57.51	931.80
LV0010R	mm precip. (Hg)	70.93	45.56	53.89	42.61	19.11	57.73	70.09	160.27	66.41	182.81	104.87	57.51	931.80
LV0016R	mm precip.	51.11	59.71	86.99	69.14	14.94	55.64	98.24	110.31	30.60	93.80	96.11	55.79	822.40
LV0016R	mm precip. (Hg)	51.11	59.71	86.99	69.14	14.94	55.64	98.24	110.31	30.60	93.80	96.11	55.79	822.40
NL0009R	mm precip.	99.38	39.56	103.74	41.66	20.00	34.42	123.80	124.84	70.94	105.24	76.69	27.10	867.32
NL0091R	mm precip.	90.50	26.90	100.14	19.96	53.97	18.76	106.48	107.20	55.40	82.12	116.68	54.54	832.61
NL0091R	mm precip. (Hg)	85.73	25.96	97.00	22.59	45.13	17.49	101.11	92.40	45.60	94.94	91.34	49.51	768.80
NO0001R	mm precip.	396.18	111.69	201.34	133.41	13.98	90.29	110.70	159.05	164.36	206.27	123.47	85.89	1796.62
NO0001R	mm precip. (Hg)	404.30	116.10	219.80	132.20	20.60	122.30	145.70	222.80	158.20	217.90	124.00	86.50	1969.70
NO0039R	mm precip.	101.18	223.47	117.01	26.78	118.79	127.29	77.45	141.94	106.47	74.59	220.77	82.36	1416.60
NO0047R	mm precip.	2.93	0.57	9.78	3.92	21.34	31.47	38.41	30.29	18.31	72.36	27.13	3.50	259.98

Site	Comp	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
NO0055R	mm precip.	17.23	5.51	19.68	1.56	7.74	79.08	75.45	63.09	16.31	43.76	29.30	13.06	371.73
NO0056R	mm precip.	183.54	66.72	111.05	70.35	67.83	69.40	128.73	127.42	53.22	126.50	72.77	49.91	1127.43
PL0004R	mm precip.	38.80	26.20	101.10	32.10	23.90	46.80	61.90	115.30	50.10	53.20	87.90	36.90	673.90
PL0005R	mm precip.	50.44	50.46	59.10	44.44	55.11	57.94	44.00	93.59	32.41	62.89	54.21	40.20	644.80
PL0005R	mm precip. (Hg)	35.53	24.95	26.71	35.60	50.51	56.09	66.71	117.23	34.37	59.49	49.49	35.11	591.81
PT0001R	mm precip (off)	76.00	60.80	17.80	135.90	53.20	28.10	0.20	15.30	30.20	40.00	27.20	67.70	551.65
PT0003R	mm precip (off)	157.20	40.90	89.80	199.00	137.70	37.40	22.80	95.90	65.60	99.60	87.90	127.20	1156.88
PT0004R	mm precip (off)	80.30	62.50	52.80	63.90	63.90	0.00	0.00	0.00	13.40	26.30	57.60	0.00	420.70
PT0010R	mm precip (off)	98.77	124.74	57.76	182.84	36.26	55.66	43.03	22.71	48.20	43.91	109.69	90.20	915.49
SE0014R	mm precip. (Hg)	81.80	24.07	61.53	12.63	10.24	62.01	102.02	104.60	71.99	85.12	80.49	21.80	718.12
SE0051R	mm precip.	81.00	33.00	59.00	35.00	11.00	23.00	61.06	109.17	36.77	81.00	72.00	46.00	647.63
SE0097R	mm precip.	164.00	66.47	131.29	21.17	17.51	44.06	46.26	114.80	96.10	112.71	95.63	34.00	944.00
SI0008R	mm precip.	7.29	87.81	97.44	214.03	82.33	171.20	185.74	96.79	68.90	113.06	122.14	276.20	1520.14
SI0008R	mm precip. (Hg)	-	-	-	-	-	-	-	-	-	-	49.57	183.16	-
SK0002R	mm precip.	46.50	60.20	174.80	79.80	102.80	64.00	244.60	100.00	50.10	73.20	41.20	122.00	1159.20
SK0004R	mm precip.	32.90	12.30	61.30	43.90	83.50	101.00	156.00	72.40	46.90	23.30	18.60	61.00	713.10
SK0006R	mm precip.	48.40	37.00	65.20	56.00	81.00	119.00	68.90	92.60	52.40	44.60	30.00	13.30	708.40
SK0007R	mm precip.	26.60	8.80	51.30	38.20	34.50	47.30	126.70	88.00	51.60	10.20	25.30	51.30	559.80

Annex 6

Monthly and annual mean values for heavy metals in air

Site	Comp	Matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
DK0003R	aluminium	aerosol	200	133	107	249	494	273	113	82	128	75	68	75	166
DK0008R	aluminium	aerosol	253	124	108	143	183	142	106	78	71	99	93	58	122
DK0010G	aluminium	aerosol	28	37	35	62	72	30	45	33	47	38	21	39	41
DK0031R	aluminium	aerosol	286	162	117	206	328	212	143	79	78	109	90	64	155
FI0017R	aluminium	aerosol	56	79	114	288	183	75	58	45	67	18	40	120	95
FI0036R	aluminium	aerosol	11	11	18	30	31	15	11	6	9	5	3	1	12
FI0037R	aluminium	aerosol	18	13	56	73	82	40	20	18	16	5	4	5	29
IS0091R	aluminium	aerosol	83	130	462	1067	103	426	294	210	44	277	201	105	283
DE0001R	antimony	aerosol	0.418	0.573	0.222	0.402	0.355	0.238	0.247	0.287	0.407	0.326	0.376	0.482	0.359
DE0002R	antimony	aerosol	0.772	0.793	0.501	0.441	0.52	0.47	0.431	0.468	0.551	0.829	0.654	0.694	0.588
DE0007R	antimony	aerosol	0.57	0.61	0.458	0.499	0.387	0.335	0.29	0.347	0.373	0.64	0.58	0.852	0.493
DE0008R	antimony	aerosol	0.267	0.353	0.238	0.322	0.562	0.488	0.403	0.523	0.388	0.325	0.197	0.146	0.353
DE0009R	antimony	aerosol	0.522	0.548	0.388	0.389	0.34	0.283	0.248	0.313	0.34	0.604	0.467	0.632	0.422
AT0002R	arsenic	pm10	1.236	0.914	0.358	0.646	0.544	0.262	0.272	0.283	1.288	0.616	1.39	1.07	0.727
AT0005R	arsenic	pm10	0.014	0.274	0.018	0.054	0.17	0.074	0.036	0.045	0.264	-	0.004	-0.018	0.082
AT0048R	arsenic	pm10	-0.007	0.188	0.024	0.158	0.284	0.12	0.045	0.075	0.446	0.026	-0.026	0.076	0.12
BE0014R	arsenic	aerosol	2.158	2.674	1.049	1.231	1.013	0.726	0.987	0.566	1.118	1.343	1.643	2.22	1.389
CY0002R	arsenic	aerosol	0.325	0.777	0.375	0.354	0.124	0.091	0.854	1.258	0.821	0.453	0.58	-	0.571
CZ0001R	arsenic	pm10	0.567	0.672	0.414	0.561	0.633	0.444	0.374	0.292	0.451	0.833	0.967	0.518	0.549
CZ0003R	arsenic	pm10	0.67	0.677	0.429	0.472	0.802	0.382	0.313	0.218	0.795	0.514	0.627	0.693	0.555
CZ0003R	arsenic	pm25	0.566	0.665	0.386	0.434	1.067	0.351	0.257	0.16	0.653	0.402	0.504	0.539	0.46
DE0001R	arsenic	aerosol	0.373	0.555	0.273	0.426	0.266	0.115	0.171	0.217	0.458	0.218	0.297	0.511	0.321
DE0002R	arsenic	aerosol	0.765	0.418	0.305	0.307	0.566	0.412	0.383	0.369	0.449	0.384	0.469	0.828	0.471
DE0003R	arsenic	aerosol	0.058	0.121	0.129	0.187	0.253	0.186	0.185	0.154	0.314	0.136	0.055	0.065	0.152
DE0007R	arsenic	aerosol	0.71	0.375	0.362	0.438	0.508	0.267	0.223	0.317	0.438	0.735	0.713	0.948	0.501
DE0008R	arsenic	aerosol	0.219	0.238	0.146	0.373	0.542	0.331	0.24	0.184	0.341	0.201	0.187	0.295	0.274
DE0009R	arsenic	aerosol	0.656	0.38	0.322	0.374	0.319	0.141	0.146	0.25	0.416	0.549	0.478	0.545	0.381
DK0003R	arsenic	aerosol	0.338	0.332	0.325	0.785	0.673	0.328	0.289	0.36	1.054	0.476	0.479	0.857	0.511
DK0005R	arsenic	aerosol	0.329	0.259	0.237	0.257	0.291	0.164	0.097	0.165	0.425	0.32	0.288	0.468	0.276
DK0008R	arsenic	aerosol	0.237	0.311	0.36	0.3	0.196	0.144	0.09	0.15	0.253	0.244	0.211	0.33	0.237
DK0010G	arsenic	aerosol	0.156	0.285	0.146	0.052	0.052	0.008	0.018	0.019	0.013	0.013	0.017	0.066	0.069
DK0031R	arsenic	aerosol	0.189	0.267	0.16	0.409	0.335	0.144	0.164	0.193	0.399	0.16	0.314	0.429	0.265
ES0007R	arsenic	pm10	-	-	-	0.115	0.27	-	-	-	-	-	-	-	-
ES0008R	arsenic	pm10	0.272	0.42	0.13	0.258	0.177	0.156	0.197	0.165	0.31	0.267	0.132	0.145	0.22
ES0009R	arsenic	pm10	0.07	0.053	0.02	0.07	0.05	0.09	0.155	0.16	0.102	0.2	0.073	0.06	0.094
ES0010R	arsenic	pm10	0.12	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	arsenic	pm10	-	-	0.073	0.12	-	-	-	-	-	-	-	-	-
ES0012R	arsenic	pm10	-	0.085	-	-	-	-	-	-	-	-	-	-	-
ES0013R	arsenic	pm10	-	-	-	-	-	0.06	0.09	-	-	-	-	-	-

Site	Comp	Matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
FI0017R	arsenic	aerosol	0.519	0.252	0.236	0.358	0.292	0.279	0.204	0.184	0.325	0.494	0.261	0.386	0.316
FI0036R	arsenic	aerosol	0.233	0.212	0.291	0.115	0.164	0.135	0.039	0.115	0.107	0.049	0.109	0.05	0.135
FI0037R	arsenic	aerosol	0.319	0.167	0.259	0.199	0.203	0.18	0.095	0.114	0.152	0.09	0.09	0.091	0.161
FR0009R	arsenic	aerosol	-	-	-	-	-	0.074	0.037	0.024	0.367	0.071	0.08	0.211	0.139
FR0013R	arsenic	aerosol	0.03	0.036	0.031	0.04	0.024	0.024	0.024	0.024	0.024	0.074	0.047	0.078	0.038
GB0013R	arsenic	pm10	0.523	0.578	0.175	0.361	0.607	0.243	0.255	0.164	0.527	0.288	0.664	0.39	0.388
GB0017R	arsenic	pm10	-	0.487	0.385	0.611	0.639	-	0.425	-	0.771	0.832	0.895	0.816	0.596
GB0091R	arsenic	pm10	0.183	0.127	0.095	0.211	0.277	0.16	0.15	0.186	0.328	0.175	0.139	0.224	0.182
IS0091R	arsenic	aerosol	0.02	0.046	0.128	0.188	0.046	0.054	0.056	0.039	0.023	0.056	0.03	0.024	0.059
LT0015R	arsenic	aerosol	0.68	0.326	0.296	0.286	0.392	0.172	0.12	0.156	0.254	0.448	0.25	0.548	0.319
LV0010R	arsenic	pm10	0.907	0.764	0.287	0.631	0.379	0.517	0.172	0.24	-	0.773	0.365	-	0.519
LV0016R	arsenic	pm10	0.179	0.293	0.227	0.432	0.353	0.109	0.282	0.103	0.49	0.365	0.307	0.21	0.29
NL0008R	arsenic	aerosol	0.58	0.935	0.382	0.595	0.534	0.437	0.68	0.432	0.566	0.584	0.548	1.01	0.605
NL0009R	arsenic	aerosol	0.493	0.454	0.211	0.343	0.326	0.251	0.266	0.281	0.661	0.301	0.402	0.814	0.4
NL0010R	arsenic	aerosol	-	-	-	-	-	-	-	-	0.637	0.866	0.723	1.099	-
NO0001R	arsenic	pm10	0.233	0.163	0.245	0.299	0.273	0.196	0.188	0.251	0.27	0.107	0.091	0.139	0.208
NO0042G	arsenic	aerosol	0.087	0.067	0.173	0.09	0.027	0.007	0.007	0.005	0.004	0.011	0.037	0.057	0.047
PL0005R	arsenic	pm10	1.277	0.39	0.187	0.475	0.397	0.153	0.077	0.168	0.333	0.648	0.473	0.576	0.428
SE0014R	arsenic	aerosol	0.175	0.214	0.19	0.325	0.23	0.146	0.141	0.15	0.519	0.291	0.16	0.334	0.239
SI0008R	arsenic	pm10	0.474	0.486	0.365	0.405	0.39	0.365	0.365	0.571	0.613	0.428	0.44	0.405	0.435
SK0002R	arsenic	pm10	0.028	0.049	0.065	0.094	0.158	0.107	0.057	0.342	0.251	0.119	0.094	0.04	0.113
SK0004R	arsenic	pm10	0.69	0.672	0.371	0.355	0.359	0.395	0.216	1.02	0.506	0.927	0.727	0.465	0.56
SK0006R	arsenic	pm10	0.601	0.687	0.383	0.382	0.218	0.312	0.199	0.517	0.582	0.607	0.75	0.503	0.477
SK0007R	arsenic	pm10	1.302	1.165	0.537	0.579	0.66	0.754	0.325	0.451	1.065	1.052	1.739	1.379	0.834
AT0002R	cadmium	pm10	0.298	0.296	0.172	0.188	0.156	0.07	0.226	0.113	0.242	0.184	0.34	0.367	0.217
AT0005R	cadmium	pm10	0.034	0.19	0.055	0.038	0.087	0.026	0.048	0.055	0.148	-	0.044	0.042	0.069
AT0048R	cadmium	pm10	0.005	0.064	0.044	0.07	0.062	0.037	0.067	0.032	0.088	0.034	0.012	0.05	0.047
BE0014R	cadmium	aerosol	0.515	0.88	0.284	0.398	0.462	0.173	0.275	0.184	0.428	0.274	0.275	0.358	0.374
CY0002R	cadmium	aerosol	0.114	0.21	0.177	0.138	0.057	0.042	0.146	0.161	0.148	0.162	0.147	-	0.141
CZ0001R	cadmium	pm10	0.156	0.234	0.117	0.231	0.189	0.232	0.139	0.083	0.136	0.185	0.319	0.25	0.187
CZ0003R	cadmium	pm10	0.168	0.182	0.112	0.179	0.198	0.139	0.104	0.085	0.172	0.152	0.167	0.183	0.153
CZ0003R	cadmium	pm25	0.148	0.198	0.102	0.18	0.107	0.131	0.076	0.078	0.134	0.122	0.124	0.149	0.13
DE0001R	cadmium	aerosol	0.112	0.145	0.055	0.103	0.094	0.04	0.041	0.038	0.07	0.061	0.07	0.156	0.081
DE0002R	cadmium	aerosol	0.301	0.173	0.123	0.114	0.218	0.128	0.088	0.17	0.199	0.184	0.167	0.269	0.177
DE0003R	cadmium	aerosol	0.023	0.033	0.042	0.054	0.073	0.07	0.068	0.079	0.091	0.033	0.015	0.033	0.051
DE0007R	cadmium	aerosol	0.204	0.155	0.149	0.144	0.123	0.07	0.072	0.076	0.096	0.173	0.156	0.341	0.145
DE0008R	cadmium	aerosol	0.079	0.092	0.061	0.077	0.129	0.099	0.085	0.202	0.069	0.067	0.043	0.044	0.088
DE0009R	cadmium	aerosol	0.175	0.14	0.116	0.125	0.087	0.06	0.046	0.071	0.083	0.16	0.112	0.22	0.116
EE0009R	cadmium	aerosol	0.176	0.128	0.164	0.244	0.091	0.069	0.084	0.076	0.126	0.095	0.141	0.117	0.125

Site	Comp	Matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
ES0007R	cadmium	pm10	-	-	-	0.03	0.045	-	-	-	-	-	-	-	-
ES0008R	cadmium	pm10	0.122	0.197	0.045	0.118	0.073	0.042	0.095	0.062	0.155	0.203	0.027	0.08	0.1
ES0009R	cadmium	pm10	0.018	0.02	0.01	0.01	0.01	0.012	0.02	0.022	0.024	0.023	0.017	0.012	0.017
ES0010R	cadmium	pm10	0.09	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	cadmium	pm10	-	-	0.017	0.02	-	-	-	-	-	-	-	-	-
ES0012R	cadmium	pm10	-	0.087	-	-	-	-	-	-	-	-	-	-	-
ES0013R	cadmium	pm10	-	-	-	-	-	0.015	0.01	-	-	-	-	-	-
FI0017R	cadmium	aerosol	0.187	0.095	0.134	0.222	0.09	0.066	0.032	0.056	0.107	0.095	0.096	0.137	0.109
FI0036R	cadmium	aerosol	0.085	0.034	0.061	0.031	0.034	0.016	0.006	0.018	0.02	0.005	0.019	0.011	0.028
FI0037R	cadmium	aerosol	0.103	0.051	0.099	0.085	0.04	0.032	0.019	0.029	0.038	0.023	0.018	0.031	0.046
FR0009R	cadmium	aerosol	-	-	-	-	-	0.158	0.088	0.113	0.199	0.077	0.1	0.158	0.124
FR0013R	cadmium	aerosol	0.088	0.097	0.031	0.036	0.02	0.017	0.022	0.039	0.133	0.083	0.052	0.1	0.055
GB0013R	cadmium	pm10	0.206	0.13	0.017	0.08	0.12	0.018	0.043	0.015	0.086	0.062	0.105	0.027	0.076
GB0017R	cadmium	pm10	-	0.088	0.063	0.126	0.209	-	0.102	-	0.14	0.138	0.179	0.074	0.115
GB0091R	cadmium	pm10	0.048	0.062	0.01	0.037	0.063	0.022	0.032	0.026	0.065	0.018	0.033	0.034	0.036
HU0002R	cadmium	aerosol	0.064	0.049	0.045	0.057	0.03	0.013	0.01	0.026	0.016	0.036	-	-	0.035
IS0091R	cadmium	aerosol	0.113	0.291	0.101	0.031	0.01	0.016	0.161	0.012	0.007	0.048	0.019	0.176	0.082
LT0015R	cadmium	aerosol	0.162	0.083	0.126	0.156	0.165	0.053	0.068	0.064	0.064	0.085	0.097	0.13	0.103
LV0010R	cadmium	pm10	0.341	0.169	0.153	0.35	0.467	0.315	0.137	0.173	-	0.226	0.139	-	0.253
LV0016R	cadmium	pm10	0.011	0.048	0.207	0.137	0.068	0.061	0.033	0.055	0.218	0.100	0.637	0.007	0.147
NL0008R	cadmium	aerosol	0.091	0.291	0.116	0.133	0.162	0.091	0.091	0.109	0.091	0.265	0.179	0.277	0.159
NL0009R	cadmium	aerosol	0.155	0.143	0.091	0.091	0.091	0.091	0.116	0.091	0.091	0.111	0.128	0.207	0.117
NL0010R	cadmium	aerosol	-	-	-	-	-	-	-	-	0.35	0.347	0.249	0.375	-
NO0001R	cadmium	pm10	0.095	0.036	0.036	0.056	0.033	0.02	0.023	0.023	0.03	0.034	0.021	0.033	0.038
NO0042G	cadmium	aerosol	0.02	0.017	0.037	0.029	0.009	0.002	0.005	0.001	0.001	0.003	0.006	0.012	0.012
PL0005R	cadmium	pm10	0.303	0.221	0.077	0.362	0.123	0.123	0.077	0.123	0.103	0.119	0.147	0.148	0.152
SE0014R	cadmium	aerosol	0.069	0.044	0.07	0.109	0.05	0.022	0.021	0.03	0.077	0.049	0.04	0.098	0.057
SI0008R	cadmium	pm10	0.076	0.21	0.128	0.116	0.132	0.094	0.073	0.082	0.1	0.076	0.093	0.113	0.107
SK0002R	cadmium	pm10	0.026	0.025	0.027	0.063	0.066	0.047	0.043	0.059	0.04	0.026	0.025	0.01	0.038
SK0004R	cadmium	pm10	0.169	0.181	0.147	0.194	0.159	0.132	0.096	0.15	0.134	0.14	0.231	0.19	0.16
SK0006R	cadmium	pm10	0.342	0.331	0.185	0.207	0.151	0.13	0.148	0.222	0.182	0.228	0.355	0.182	0.221
SK0007R	cadmium	pm10	0.38	0.419	0.181	0.223	0.235	0.152	0.117	0.188	0.201	0.219	0.273	0.37	0.24
BE0014R	chromium	aerosol	3.96	5.36	5.12	4.11	4.96	3.59	4.95	4.42	6.11	6.14	3.89	9.94	5.24
DK0003R	chromium	aerosol	0.53	0.75	0.18	0.84	1.22	0.65	0.30	0.31	0.78	0.25	-0.01	0.40	0.51
DK0005R	chromium	aerosol	1.05	0.77	0.30	0.33	0.60	0.34	0.50	0.38	0.71	0.31	0.12	0.38	0.50
DK0008R	chromium	aerosol	1.02	0.44	0.01	0.75	0.62	0.27	0.19	0.18	0.36	-0.15	-0.40	0.22	0.30
DK0010G	chromium	aerosol	0.16	0.56	0.26	0.14	0.09	0.03	0.03	0.06	0.14	-0.02	-0.05	-0.05	0.11
DK0031R	chromium	aerosol	0.69	0.37	0.19	0.79	0.82	0.56	0.37	0.14	0.51	-0.27	-0.43	0.10	0.31
ES0007R	chromium	pm10	-	-	-	0.78	0.78	-	-	-	-	-	-	-	-
ES0008R	chromium	pm10	1.23	1.73	0.78	0.92	0.78	0.70	0.57	0.65	1.15	0.91	0.78	0.70	0.91

Site	Comp	Matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
ES0009R	chromium	pm10	0.95	0.74	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.84	0.78	0.78	0.80
ES0010R	chromium	pm10	0.78	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	chromium	pm10	-	-	0.78	0.78	-	-	-	-	-	-	-	-	-
ES0012R	chromium	pm10	-	0.78	-	-	-	-	-	-	-	-	-	-	-
ES0013R	chromium	pm10	-	-	-	-	-	0.78	0.78	-	-	-	-	-	-
FI0017R	chromium	aerosol	0.20	0.34	0.31	0.50	0.23	0.56	0.12	0.13	0.45	0.26	0.20	0.44	0.31
FI0036R	chromium	aerosol	0.16	0.12	0.12	0.15	0.12	0.02	0.05	0.02	0.06	0.06	0.04	0.08	0.08
FI0037R	chromium	aerosol	0.17	0.11	0.28	0.20	0.23	0.18	0.04	0.05	0.11	0.05	0.01	0.51	0.16
FR0009R	chromium	aerosol	-	-	-	-	-	3.52	2.91	2.00	1.99	1.70	0.72	0.90	2.00
FR0013R	chromium	aerosol	2.05	2.18	2.53	0.91	1.04	1.22	1.03	1.18	1.16	2.27	1.31	2.81	1.63
GB0013R	chromium	pm10	1.47	0.73	0.64	0.59	1.10	1.15	0.13	0.37	1.59	1.62	1.62	1.08	0.99
GB0017R	chromium	pm10	-	1.05	0.39	0.91	1.00	-	0.47	-	1.51	2.40	2.62	1.69	1.04
GB0091R	chromium	pm10	0.35	0.56	0.57	0.35	0.87	0.78	0.26	0.71	1.04	0.65	0.64	0.91	0.61
IS0091R	chromium	aerosol	6.22	7.30	49.77	12.07	12.08	15.19	15.51	10.05	19.16	7.47	11.27	10.95	14.79
LT0015R	chromium	aerosol	0.31	0.36	0.31	0.37	0.41	0.33	0.24	0.29	0.27	0.14	0.12	0.29	0.29
LV0010R	chromium	pm10	31.05	12.87	8.17	31.33	28.76	22.48	41.16	53.57	-	51.94	45.53	-	30.06
LV0016R	chromium	pm10	12.81	15.65	15.02	29.95	33.03	14.58	38.63	20.19	35.12	75.37	48.46	34.27	32.41
NO0001R	chromium	pm10	0.82	0.10	0.35	0.54	0.41	2.62	8.57	9.38	12.18	5.94	5.86	6.99	3.92
NO0042G	chromium	aerosol	0.21	0.04	0.13	0.05	0.02	0.02	0.06	0.02	0.02	0.02	0.03	0.17	0.07
PL0005R	chromium	pm10	0.80	0.30	0.37	0.74	0.59	0.20	0.24	0.32	0.33	0.42	0.58	0.49	0.44
SK0002R	chromium	pm10	0.36	0.59	0.68	0.49	0.77	0.63	0.23	0.22	0.24	1.30	0.25	0.35	0.51
SK0004R	chromium	pm10	0.18	0.37	0.11	0.62	0.47	0.54	0.34	0.42	0.37	0.48	0.29	0.16	0.36
SK0006R	chromium	pm10	0.79	0.35	0.37	0.43	0.69	0.76	0.84	0.69	0.47	1.06	0.62	0.28	0.62
SK0007R	chromium	pm10	0.56	0.82	0.63	0.87	0.95	0.82	1.24	0.72	0.87	0.79	0.57	0.68	0.81
DE0001R	cobalt	aerosol	0.051	0.051	0.024	0.071	0.093	0.062	0.066	0.06	0.085	0.066	0.056	0.079	0.064
DE0002R	cobalt	aerosol	0.204	0.07	0.048	0.051	0.4	0.252	0.095	0.109	0.089	0.063	0.04	0.055	0.125
DE0003R	cobalt	aerosol	0.013	0.018	0.021	0.022	0.07	0.045	0.042	0.038	0.07	0.076	0.018	0.01	0.037
DE0007R	cobalt	aerosol	0.054	0.041	0.019	0.078	0.092	0.074	0.051	0.046	0.054	0.049	0.04	0.048	0.054
DE0008R	cobalt	aerosol	0.013	0.019	0.012	0.017	0.084	0.068	0.046	0.04	0.037	0.023	0.011	0.01	0.032
DE0009R	cobalt	aerosol	0.068	0.084	0.054	0.124	0.163	0.093	0.064	0.08	0.087	0.089	0.071	0.097	0.09
FI0017R	cobalt	aerosol	0.034	0.061	0.062	0.118	0.104	0.106	0.044	0.037	0.055	0.032	0.035	0.044	0.061
FI0036R	cobalt	aerosol	0.039	0.025	0.046	0.035	0.029	0.022	0.017	0.028	0.021	0.007	0.016	0.014	0.025
FI0037R	cobalt	aerosol	0.026	0.038	0.086	0.065	0.075	0.039	0.025	0.03	0.027	0.008	0.008	0.065	0.041
NO0001R	cobalt	pm10	0.025	0.019	0.022	0.039	0.062	0.036	0.03	0.025	0.017	0.006	0.012	0.015	0.028
NO0042G	cobalt	aerosol	0.005	0.014	0.015	0.015	0.003	0.002	0.005	0.002	0.005	0.005	0.005	0.009	0.007
BE0014R	copper	aerosol	7.71	13.85	6.51	8.83	10.64	6.94	8.72	9.95	10.63	19.00	9.28	8.80	10.11
CZ0001R	copper	pm10	1.39	1.63	0.61	1.13	2.38	1.63	1.53	1.63	2.19	2.65	2.52	1.30	1.64
CZ0003R	copper	pm10	1.54	1.74	0.81	1.97	2.14	1.89	2.05	2.21	2.70	2.72	2.30	2.02	2.06
CZ0003R	copper	pm25	1.02	0.94	0.32	1.13	0.61	1.36	1.02	0.84	1.20	1.23	1.96	1.76	1.11

Site	Comp	Matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
DE0001R	copper	aerosol	2.28	2.40	0.99	2.08	2.19	0.93	1.23	1.55	3.03	1.53	2.65	2.35	1.93
DE0002R	copper	aerosol	2.54	3.51	2.71	2.23	3.95	4.51	2.28	2.37	2.29	3.33	2.39	2.58	2.89
DE0003R	copper	aerosol	0.61	0.98	1.22	2.05	2.17	2.42	3.06	3.12	3.10	0.91	0.73	0.25	1.73
DE0007R	copper	aerosol	3.47	2.89	2.18	1.63	1.89	2.01	1.42	1.80	1.69	2.61	1.98	2.15	2.12
DE0008R	copper	aerosol	1.04	1.29	0.77	1.14	2.58	2.66	2.19	2.05	2.32	1.27	0.75	0.47	1.53
DE0009R	copper	aerosol	2.25	2.12	1.27	1.27	1.31	2.60	1.01	1.73	1.48	2.54	1.53	1.87	1.75
DK0003R	copper	aerosol	1.28	1.51	0.94	1.98	2.34	1.34	1.15	1.29	2.68	1.38	1.24	3.52	1.65
DK0005R	copper	aerosol	2.22	2.17	1.39	1.39	1.31	1.04	1.08	1.50	1.80	2.10	1.37	2.34	1.64
DK0008R	copper	aerosol	1.55	1.19	1.04	1.43	1.06	0.81	0.64	0.69	0.86	0.84	0.62	0.72	0.96
DK0010G	copper	aerosol	0.27	0.39	0.20	0.23	0.15	0.02	0.03	0.04	0.20	0.02	0.17	0.17	0.16
DK0031R	copper	aerosol	1.11	1.37	0.71	1.50	1.41	0.90	1.03	0.64	1.17	0.83	0.83	1.26	1.05
ES0007R	copper	pm10	-	-	-	4.92	7.56	-	-	-	-	-	-	-	-
ES0008R	copper	pm10	45.79	35.43	18.76	37.44	47.29	48.36	130.69	95.01	40.31	32.59	62.38	45.39	53.07
ES0009R	copper	pm10	1.54	1.27	0.50	0.67	4.10	2.90	2.30	2.38	2.20	2.09	0.92	1.06	1.70
ES0010R	copper	pm10	17.68	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	copper	pm10	-	-	8.48	4.68	-	-	-	-	-	-	-	-	-
ES0012R	copper	pm10	-	5.58	-	-	-	-	-	-	-	-	-	-	-
ES0013R	copper	pm10	-	-	-	-	-	8.12	6.66	-	-	-	-	-	-
FI0017R	copper	aerosol	0.83	0.74	0.83	1.56	0.91	0.99	0.59	0.68	1.24	0.67	0.61	0.79	0.87
FI0036R	copper	aerosol	0.98	0.59	0.92	0.34	0.35	0.27	0.19	0.64	0.29	0.09	0.33	0.35	0.45
FI0037R	copper	aerosol	0.54	0.37	0.59	0.49	0.50	0.51	0.29	0.32	0.45	0.24	0.12	0.61	0.42
FR0009R	copper	aerosol	-	-	-	-	-	2.72	1.82	2.21	4.03	1.66	1.86	2.41	2.39
FR0013R	copper	aerosol	2.30	2.30	0.98	1.33	1.01	1.50	1.75	2.29	2.21	1.60	1.24	1.75	1.65
GB0013R	copper	pm10	2.96	1.96	0.36	1.12	2.71	0.65	0.51	2.01	2.42	0.93	1.59	0.52	1.55
GB0017R	copper	pm10	-	2.71	1.34	2.59	3.66	-	2.15	-	3.71	2.75	2.55	4.46	2.56
GB0091R	copper	pm10	0.32	0.80	0.14	1.84	1.17	0.96	0.37	0.87	0.74	0.19	0.36	6.81	0.98
IS0091R	copper	aerosol	0.80	1.91	5.97	2.21	0.47	0.88	1.06	1.18	1.08	1.98	0.97	1.30	1.65
LT0015R	copper	aerosol	2.24	2.76	1.68	2.03	2.01	1.65	1.48	1.46	1.43	1.91	1.43	1.63	1.81
LV0010R	copper	pm10	10.75	5.73	2.74	5.06	3.51	4.72	2.27	3.58	-	5.05	4.16	-	4.88
LV0016R	copper	pm10	4.98	2.74	3.78	3.82	2.26	2.65	4.01	3.23	5.03	5.25	2.58	3.78	3.61
NO0001R	copper	pm10	2.07	0.43	0.58	2.29	0.83	0.60	0.76	0.72	0.89	0.20	0.38	0.67	0.93
NO0001R	copper	pm25	-	-	-	-	-	-	-	-	0.24	0.32	-	-	-
NO0042G	copper	aerosol	0.29	0.35	0.39	0.34	0.14	0.22	0.23	0.24	0.16	0.20	0.30	1.68	0.37
PL0005R	copper	pm10	1.86	1.37	0.47	47.56	0.65	0.35	0.35	0.53	0.83	1.51	1.91	1.33	4.85
SK0002R	copper	pm10	0.79	0.72	0.45	0.84	1.39	0.91	0.48	0.67	0.52	0.55	0.27	0.20	0.65
SK0004R	copper	pm10	1.68	1.68	1.50	1.54	1.94	2.92	1.26	1.86	1.31	1.38	2.36	1.12	1.71
SK0006R	copper	pm10	1.91	1.95	2.26	1.56	1.46	1.77	1.10	1.73	1.16	1.59	1.30	0.90	1.56
SK0007R	copper	pm10	3.71	4.02	2.37	3.12	3.55	2.95	2.40	3.23	2.51	2.98	2.03	2.81	3.01
DE0001R	iron	aerosol	67	76	34	97	169	85	70	53	92	42	50	56	74
DE0002R	iron	aerosol	127	138	85	90	262	234	121	123	121	120	77	81	132

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DE0003R	iron	aerosol	18	48	48	64	202	106	88	73	148	165	28	9	84
DE0007R	iron	aerosol	106	94	61	83	161	129	92	84	76	77	60	56	90
DE0008R	iron	aerosol	34	61	44	60	204	136	88	76	75	46	27	16	73
DE0009R	iron	aerosol	76	85	39	61	113	88	61	80	66	76	49	57	71
DK0003R	iron	aerosol	62	74	36	202	442	238	99	66	150	40	40	46	123
DK0005R	iron	aerosol	114	92	48	81	161	96	65	65	95	70	50	42	83
DK0008R	iron	aerosol	54	55	35	92	115	64	50	29	40	28	22	24	50
DK0010G	iron	aerosol	9	17	21	34	40	13	26	20	31	14	10	13	21
DK0031R	iron	aerosol	66	66	29	134	218	112	107	33	70	25	27	32	75
FI0017R	iron	aerosol	51	62	102	233	168	85	48	43	79	27	35	93	85
FI0036R	iron	aerosol	17	13	21	34	35	15	13	8	15	11	9	6	16
FI0037R	iron	aerosol	23	16	57	59	81	43	20	19	23	8	5	10	31
IS0002R	iron	aerosol	16	19	29	62	388	310	204	138	41	73	38	26	182
IS0091R	iron	aerosol	168	277	970	2229	316	924	673	510	213	583	466	292	634
AT0002R	lead	pm10	14.22	13.78	5.88	5.84	6.54	3.24	6.50	5.03	8.36	5.22	10.70	9.90	7.85
AT0005R	lead	pm10	1.92	7.14	2.40	2.74	3.87	2.32	5.18	6.92	13.84	-	4.50	2.06	4.93
AT0048R	lead	pm10	0.95	3.02	2.06	4.18	5.18	3.80	2.23	1.55	3.90	1.38	0.80	1.78	2.56
BE0014R	lead	aerosol	8.76	26.99	13.17	10.01	11.35	5.12	7.60	6.54	10.39	9.51	11.14	14.03	11.22
CY0002R	lead	aerosol	8.54	25.14	13.46	4.11	3.24	2.05	8.29	5.81	2.63	6.79	7.78	-	8.35
CZ0001R	lead	pm10	4.89	7.52	4.04	8.01	7.03	6.07	4.45	3.02	5.98	5.20	9.47	5.34	5.86
CZ0003R	lead	pm10	6.39	5.88	3.41	5.99	11.76	4.84	3.57	2.63	7.50	3.80	5.16	5.16	5.49
CZ0003R	lead	pm25	5.57	6.11	3.05	6.25	30.10	4.18	2.98	2.19	6.55	3.25	3.79	4.43	4.87
DE0001R	lead	aerosol	4.26	5.20	1.83	3.29	2.17	1.50	1.68	1.93	3.03	2.19	2.83	4.57	2.85
DE0002R	lead	aerosol	7.43	6.49	4.34	4.40	4.05	3.38	3.06	3.38	3.82	5.82	5.42	8.46	4.97
DE0003R	lead	aerosol	0.98	1.44	2.39	2.69	2.39	3.17	2.68	2.31	3.34	1.40	0.89	0.96	2.04
DE0007R	lead	aerosol	7.36	5.75	4.80	4.40	4.18	2.73	2.51	3.29	3.58	6.35	6.32	10.09	5.09
DE0008R	lead	aerosol	3.04	3.09	2.20	2.98	4.29	3.69	3.05	3.98	3.01	2.49	1.85	2.28	3.00
DE0009R	lead	aerosol	6.69	4.73	3.50	3.33	2.50	2.08	1.70	2.30	3.08	5.33	4.28	6.75	3.84
DK0003R	lead	aerosol	3.95	3.86	2.41	4.07	3.25	1.77	1.53	2.01	4.76	2.51	2.06	4.48	3.00
DK0005R	lead	aerosol	5.97	5.05	3.23	3.35	2.76	2.14	2.55	3.12	4.76	4.26	3.03	5.69	3.87
DK0008R	lead	aerosol	6.15	3.46	3.05	3.07	1.79	1.24	0.75	1.42	2.28	2.01	1.62	3.15	2.55
DK0010G	lead	aerosol	2.24	3.13	1.47	0.91	0.58	0.12	0.08	0.05	0.06	0.09	0.26	0.45	0.76
DK0031R	lead	aerosol	3.85	4.21	1.95	3.39	2.54	1.62	1.68	1.56	3.43	1.96	1.93	3.96	2.69
EE0009R	lead	aerosol	8.86	4.68	5.37	8.24	3.97	3.40	2.85	4.68	5.70	5.46	7.94	6.38	5.64
ES0007R	lead	pm10	-	-	-	1.78	2.62	-	-	-	-	-	-	-	-
ES0008R	lead	pm10	5.87	14.36	2.74	7.13	3.70	2.86	5.82	6.51	10.52	12.74	1.26	0.76	6.08
ES0009R	lead	pm10	0.74	0.50	0.16	0.64	0.54	0.60	1.15	1.13	1.18	1.54	0.88	0.52	0.82
ES0010R	lead	pm10	2.91	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	lead	pm10	-	-	1.23	1.16	-	-	-	-	-	-	-	-	-

Site	Comp	Matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
ES0012R	lead	pm10	-	1.96	-	-	-	-	-	-	-	-	-	-	-
ES0013R	lead	pm10	-	-	-	-	-	0.71	0.36	-	-	-	-	-	-
FI0017R	lead	aerosol	5.19	3.65	4.01	6.19	2.35	2.01	0.79	1.70	3.73	2.47	2.28	3.51	3.15
FI0036R	lead	aerosol	1.94	0.81	1.30	1.09	1.09	0.33	0.19	0.25	0.53	0.15	0.50	0.35	0.70
FI0037R	lead	aerosol	2.99	1.52	2.84	1.81	1.05	0.77	0.36	0.53	1.00	0.38	0.33	0.64	1.16
FR0009R	lead	aerosol	-	-	-	-	-	6.57	3.26	5.75	8.04	4.03	4.52	8.28	-
FR0013R	lead	aerosol	4.96	3.83	2.35	2.49	2.09	1.94	1.52	2.22	6.14	3.76	2.54	3.95	2.96
GB0013R	lead	pm10	1.19	2.88	1.17	2.76	4.82	1.13	1.81	0.21	4.13	1.76	0.97	1.29	2.15
GB0017R	lead	pm10	-	5.00	3.27	5.65	7.99	-	4.98	-	6.07	8.12	8.33	8.43	5.67
GB0091R	lead	pm10	0.74	2.39	0.52	1.30	2.21	1.02	1.11	0.65	1.77	0.85	1.90	1.84	1.33
HU0002R	lead	aerosol	1.37	1.31	0.91	1.21	0.90	0.55	1.54	0.66	0.76	1.66	-	-	1.07
IS0091R	lead	aerosol	1.11	1.82	1.04	1.07	0.39	0.39	3.83	0.27	0.45	4.29	0.83	6.85	1.90
LT0015R	lead	aerosol	9.22	4.85	4.98	6.57	6.17	3.14	2.48	2.51	3.44	4.69	4.31	6.72	4.85
LV0010R	lead	pm10	12.67	7.10	3.24	1.90	2.73	6.48	4.92	6.60	-	5.97	6.05	-	5.52
LV0016R	lead	pm10	2.89	3.58	3.02	1.34	0.27	1.40	1.14	2.44	6.49	4.95	4.35	2.20	2.85
NL0008R	lead	aerosol	9.11	12.28	6.39	9.07	9.19	9.57	8.11	6.46	7.30	9.70	9.09	14.85	9.26
NL0009R	lead	aerosol	8.13	10.46	4.24	6.19	4.23	3.94	3.95	4.46	6.06	5.86	7.74	10.58	6.31
NL0010R	lead	aerosol	-	-	-	-	-	-	-	-	12.06	16.01	11.41	15.59	-
NO0001R	lead	pm10	3.25	1.26	1.11	1.73	1.02	0.64	0.64	0.55	0.52	0.88	0.60	0.68	1.13
NO0042G	lead	aerosol	0.67	0.49	1.24	0.72	0.20	0.05	0.07	0.05	0.03	0.08	0.23	0.44	0.35
PL0005R	lead	pm10	13.86	7.89	4.19	6.22	2.47	0.92	1.37	2.48	4.11	7.15	6.72	7.02	5.32
SE0014R	lead	aerosol	1.99	1.43	1.61	2.72	1.51	0.81	0.73	0.69	2.59	1.30	1.03	2.24	1.55
SI0008R	lead	pm10	3.48	8.92	3.22	3.60	3.94	3.13	2.79	3.47	4.54	3.80	3.59	2.74	3.88
SK0002R	lead	pm10	0.92	0.80	0.97	1.63	2.50	1.92	1.46	2.33	1.59	0.88	0.59	0.29	1.33
SK0004R	lead	pm10	7.58	6.94	4.50	5.37	5.68	4.45	3.31	5.08	3.94	5.33	8.09	6.86	5.59
SK0006R	lead	pm10	13.02	12.11	6.30	5.13	3.92	3.96	3.54	4.95	5.06	7.48	9.64	3.68	6.54
SK0007R	lead	pm10	15.96	16.26	6.31	7.80	8.59	6.47	5.05	5.51	7.68	8.65	9.25	11.35	8.81
CZ0001R	manganese	pm10	2.753	3.242	2.382	3.458	5.341	4.835	3.9	3.07	5.98	3.608	4.677	1.743	3.625
CZ0003R	manganese	pm10	3.741	5.601	5.493	5.95	5.507	5.953	5.091	6.785	5.37	6.289	4.424	3.692	5.361
CZ0003R	manganese	pm25	1.405	2.131	1.718	2.073	0.887	2.112	1.627	1.484	1.694	2.219	1.463	1.46	1.773
DE0001R	manganese	aerosol	2.537	3.014	1.358	2.902	4.873	3.122	2.46	1.68	2.422	1.175	1.408	1.488	2.374
DE0002R	manganese	aerosol	4.542	4.543	3.032	3.202	6.129	4.78	3.995	3.775	3.871	3.74	2.485	2.574	3.904
DE0007R	manganese	aerosol	3.601	3.064	1.995	2.612	5.52	4.624	3.452	2.801	2.528	2.65	2.265	2.044	3.099
DE0008R	manganese	aerosol	1.397	1.95	1.479	1.833	5.317	4.186	2.685	2.164	2.26	1.28	0.836	0.405	2.161
DE0009R	manganese	aerosol	3.09	2.941	1.855	2.458	3.846	3.2	2.423	2.503	2.138	2.547	1.879	2.413	2.612
DK0003R	manganese	aerosol	2.359	2.453	1.733	6.942	14.65	7.467	3.732	2.998	5.273	1.784	1.542	1.753	4.328
DK0005R	manganese	aerosol	3.52	2.531	1.702	2.532	4.87	3.227	2.368	2.349	3.315	2.043	1.491	1.243	2.642
DK0008R	manganese	aerosol	2.429	1.643	1.336	2.846	4.108	2.295	1.764	1.441	1.406	1.011	0.819	0.819	1.821
DK0010G	manganese	aerosol	0.433	0.97	0.757	0.9	0.906	0.242	0.395	0.366	0.513	0.302	0.229	0.309	0.528
DK0031R	manganese	aerosol	2.308	2.178	1.352	3.741	6.157	3.404	3.724	1.442	2.29	0.98	1.112	1.137	2.432

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FI0017R	manganese	aerosol	1.976	1.794	2.617	5.072	3.422	2.242	1.219	1.518	2.538	1.031	1.112	2.401	2.244
FI0036R	manganese	aerosol	0.631	0.317	0.552	0.774	0.781	0.433	0.438	0.216	0.368	0.179	0.152	0.133	0.403
FI0037R	manganese	aerosol	1.16	0.756	1.757	1.605	1.796	1.277	0.664	0.763	0.886	0.42	0.226	4.112	1.294
IS0091R	manganese	aerosol	2.886	4.727	16.744	34.218	4.032	12.794	9.213	6.903	2.539	7.92	5.94	3.91	9.303
LV0010R	manganese	pm10	3.783	3.176	2.424	7.530	14.489	14.109	7.611	15.210	-	4.081	3.336	-	6.849
LV0016R	manganese	pm10	5.929	2.717	2.936	5.889	19.309	18.439	7.735	5.257	5.759	8.335	3.473	2.883	7.685
NO0042G	manganese	aerosol	0.2	0.186	0.556	0.606	0.138	0.056	0.121	0.056	0.093	0.254	0.144	0.327	0.226
BE0014R	mercury	aerosol	2.521	3.949	2.092	2.048	2.078	2.663	1.811	1.956	1.957	2.266	1.959	1.997	2.266
CY0002R	mercury	aerosol	0.019	0.086	0.075	0.047	0.092	0.074	0.588	0.642	0.475	0.5	0.801	-	0.296
CZ0003R	mercury	air	1.597	1.845	1.373	1.846	1.76	1.286	1.13	1.83	1.312	1.518	1.342	1.803	1.577
CZ0003R	mercury	pm10	0.013	0.023	0.015	0.019	0.01	0.008	0.009	0.007	0.007	0.016	0.01	0.017	0.013
DE0002R	total_gaseous_mercury	air	1.795	1.912	1.759	1.723	1.692	1.722	1.627	1.644	1.471	1.62	1.807	1.866	1.72
DE0008R	total_gaseous_mercury	air	1.808	1.987	1.75	1.846	1.733	1.678	1.575	1.587	1.868	1.604	2.053	1.915	1.774
DE0009R	total_gaseous_mercury	air	1.678	1.67	1.564	1.547	1.383	-	-	1.339	1.351	1.378	1.574	1.625	1.507
DK0010G	mercury	air	-	-	-	-	-	-	-	-	1.4	1.362	1.39	1.464	1.405
ES0007R	mercury	pm10	-	-	-	0.017	0.009	-	-	-	-	-	-	-	-
ES0009R	mercury	pm10	-	-	-	-	-	-	-	0.002	0.002	-	-	-	-
ES0010R	mercury	pm10	0.002	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	mercury	pm10	-	-	0.004	0.016	-	-	-	-	-	-	-	-	-
ES0012R	mercury	pm10	-	0.004	-	-	-	-	-	-	-	-	-	-	-
ES0013R	mercury	pm10	-	-	-	-	-	0.006	0.002	-	-	-	-	-	-
FI0036R	mercury	aerosol	1.067	1.238	0.987	0.565	0.669	0.848	1.6	5.267	0.913	0.642	1.1	0.488	1.261
FI0036R	mercury	air+aerosol	1.5	1.5	1.414	1.389	1.389	1.362	1.329	1.286	1.2	1.175	1.425	1.437	1.373
GB0013R	mercury	pm10	0.496	0.26	0.475	0.551	1.622	0.769	0.21	0.878	0.54	0.972	0.57	1.096	0.67
GB0017R	mercury	air	-	-	1.708	1.708	-	-	-	-	-	-	-	1.471	-
GB0091R	mercury	air	0.774	0.2	0.416	1.339	-	0.593	1.179	1.253	0.909	0.939	0.895	1.143	0.856
IS0091R	mercury	aerosol	1.989	2.235	2.887	3.899	1.765	3.676	2.681	2.314	1.739	1.644	1.091	0.97	2.24
NO0001R	mercury	air+aerosol	1.672	1.59	1.875	1.945	1.844	1.66	1.656	2.065	1.543	1.783	1.55	1.49	1.734
NO0042G	mercury	air	1.58	1.604	1.448	1.292	1.504	1.544	1.693	1.654	1.742	1.603	1.626	1.605	1.571
PL0005R	mercury	air	1.6	1.9	1.075	1.42	1.025	2.25	1.12	0.95	1.48	1.5	1.425	1.8	1.464
SE0014R	mercury	aerosol	9.733	8.357	6.167	7.644	7.456	5.037	5.9	7.356	10.775	5.5	9.4	7.767	7.581
SE0014R	mercury	air+aerosol	1.656	1.675	1.6	1.544	1.567	1.575	1.511	1.522	1.475	1.5	1.589	1.567	1.565
AT0002R	nickel	pm10	1.86	0.98	0.84	0.69	0.48	0.41	0.73	0.26	1.33	0.58	0.89	0.84	0.81
AT0005R	nickel	pm10	0.47	0.97	0.34	0.28	0.72	0.24	0.01	0.35	0.79	-	0.01	-0.02	0.37
AT0048R	nickel	pm10	0.72	0.50	0.31	0.33	0.40	0.33	0.12	0.35	0.65	0.45	0.59	0.38	0.43
BE0014R	nickel	aerosol	3.97	6.34	4.14	5.26	6.97	6.49	6.60	4.74	5.64	7.38	5.65	9.93	6.11
CY0002R	nickel	aerosol	2.20	6.46	3.79	3.27	0.88	0.86	1.52	3.55	2.42	1.52	3.46	-	2.80

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CZ0001R	nickel	pm10	0.36	0.47	0.18	0.14	1.10	0.24	0.19	0.32	0.73	0.79	0.73	0.26	0.43
CZ0003R	nickel	pm10	0.19	0.38	0.36	0.45	0.47	0.98	0.63	0.25	0.33	0.57	0.47	0.66	0.47
CZ0003R	nickel	pm25	0.16	0.82	0.48	0.35	0.15	0.55	0.34	0.07	0.71	0.82	0.98	0.93	0.55
DE0001R	nickel	aerosol	1.50	2.23	1.19	2.01	1.52	1.27	1.59	1.49	1.59	1.33	1.13	1.52	1.53
DE0002R	nickel	aerosol	-	-	-	-	-	-	-	-	-	-	-	-	-
DE0003R	nickel	aerosol	0.14	0.14	0.20	0.31	0.29	0.29	0.76	0.59	0.63	0.60	0.33	0.14	0.38
DE0007R	nickel	aerosol	0.55	0.94	0.47	1.01	0.91	0.84	0.86	0.82	0.74	0.76	0.69	0.81	0.79
DE0008R	nickel	aerosol	0.24	0.19	0.15	0.25	0.61	0.36	0.60	0.55	0.48	0.41	0.34	0.30	0.38
DE0009R	nickel	aerosol	1.39	2.25	1.23	3.29	4.00	1.91	1.69	1.84	1.98	1.75	1.22	1.59	2.02
DK0003R	nickel	aerosol	1.01	1.39	0.68	1.32	1.36	0.92	0.93	0.94	1.25	0.87	0.94	1.36	1.07
DK0005R	nickel	aerosol	2.10	2.37	1.83	3.88	4.06	2.26	2.37	2.37	1.95	1.76	1.54	1.87	2.39
DK0008R	nickel	aerosol	1.96	1.51	1.30	2.65	2.46	1.42	2.06	1.23	1.06	0.95	1.01	1.33	1.57
DK0010G	nickel	aerosol	0.12	0.22	0.17	0.15	0.08	0.02	0.02	0.04	0.04	0.02	0.12	0.08	0.09
DK0031R	nickel	aerosol	1.23	1.67	0.93	1.67	1.53	1.03	1.14	0.80	0.94	0.82	0.93	1.27	1.16
EE0009R	nickel	aerosol	1.46	1.80	2.18	3.05	3.14	2.41	1.93	1.89	2.91	1.66	1.66	1.81	2.16
ES0007R	nickel	pm10	-	-	-	0.62	1.97	-	-	-	-	-	-	-	-
ES0008R	nickel	pm10	1.14	1.91	0.65	1.19	1.33	1.29	1.46	0.90	1.63	1.42	0.79	1.35	1.25
ES0009R	nickel	pm10	0.62	0.39	0.32	0.34	0.42	0.34	0.53	0.77	0.65	0.33	0.42	0.42	0.48
ES0010R	nickel	pm10	1.48	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	nickel	pm10	-	-	0.42	0.42	-	-	-	-	-	-	-	-	-
ES0012R	nickel	pm10	-	1.46	-	-	-	-	-	-	-	-	-	-	-
ES0013R	nickel	pm10	-	-	-	-	-	0.42	0.42	-	-	-	-	-	-
FI0017R	nickel	aerosol	0.66	0.99	0.97	1.80	1.41	1.67	0.84	0.65	0.97	0.52	0.64	0.72	0.98
FI0036R	nickel	aerosol	1.05	0.80	1.25	0.48	0.35	0.32	0.23	0.65	0.27	0.10	0.50	0.36	0.54
FI0037R	nickel	aerosol	0.46	0.39	0.68	0.38	0.35	0.39	0.24	0.29	0.37	0.15	0.10	3.06	0.58
FR0009R	nickel	aerosol	-	-	-	-	-	2.08	1.24	1.16	0.66	0.53	0.47	1.62	1.01
FR0013R	nickel	aerosol	1.06	1.09	0.82	0.63	0.33	0.44	0.53	0.75	1.15	0.73	0.88	0.80	0.74
GB0013R	nickel	pm10	0.41	1.34	0.58	0.77	2.87	0.65	0.38	0.34	0.88	0.63	0.84	0.33	0.88
GB0017R	nickel	pm10	-	0.28	0.75	1.86	2.23	-	1.13	-	1.79	1.53	1.62	0.66	1.34
GB0091R	nickel	pm10	0.09	0.15	0.14	0.17	0.28	0.29	0.23	0.43	0.29	0.09	0.08	0.12	0.19
IS0091R	nickel	aerosol	7.35	9.35	76.87	7.69	7.40	9.38	10.49	6.77	11.90	4.88	7.51	6.69	13.94
LT0015R	nickel	aerosol	0.89	1.12	0.87	1.06	1.05	1.03	0.79	0.72	0.44	0.51	0.40	0.66	0.80
LV0010R	nickel	pm10	2.71	4.30	2.91	6.14	6.36	5.10	5.87	7.02	-	8.49	6.17	-	5.33
LV0016R	nickel	pm10	22.99	2.61	6.76	7.41	7.13	6.29	9.36	5.52	4.11	14.03	9.73	9.40	8.03
NL0008R	nickel	aerosol	2.08	1.96	0.71	1.92	0.92	3.13	1.87	1.98	2.24	2.41	2.27	3.33	2.06
NL0009R	nickel	aerosol	2.04	3.58	2.02	3.20	3.77	3.74	1.54	1.97	2.09	2.17	2.37	1.06	2.46
NL0010R	nickel	aerosol	-	-	-	-	-	-	-	-	0.71	2.77	2.55	1.80	2.04
NO0001R	nickel	pm10	1.01	0.42	0.50	0.93	0.61	0.45	0.57	0.65	0.41	0.19	0.25	0.47	0.58
NO0001R	nickel	pm25	-	-	-	-	-	-	-	-	0.67	0.23	-	-	0.41
NO0042G	nickel	aerosol	0.07	0.07	0.14	0.11	0.02	0.02	0.05	0.02	0.02	0.07	0.06	0.24	0.07
PL0005R	nickel	pm10	0.72	0.47	0.11	1.87	0.52	0.91	0.36	0.76	0.46	0.77	0.72	0.66	0.65

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SE0014R	nickel	aerosol	0.49	0.88	0.55	1.31	2.49	1.26	1.36	0.85	0.89	0.78	0.28	0.60	0.98
SI0008R	nickel	pm10	4.46	4.30	2.52	1.78	2.23	2.01	2.36	2.51	2.38	2.00	1.77	1.65	2.50
SK0002R	nickel	pm10	0.21	0.45	0.32	0.34	0.47	0.34	0.18	0.24	0.21	0.20	0.18	0.18	0.28
SK0004R	nickel	pm10	0.25	0.56	0.11	0.27	0.42	0.52	0.29	0.29	0.38	0.43	0.42	0.24	0.35
SK0006R	nickel	pm10	0.62	0.73	0.26	0.46	0.72	0.47	0.40	0.49	0.38	0.65	0.55	0.42	0.51
SK0007R	nickel	pm10	0.80	0.79	0.43	0.50	0.66	0.60	0.56	0.58	0.67	0.55	1.00	0.73	0.63
DK0003R	selenium	aerosol	0.335	0.484	0.225	0.39	0.402	0.353	0.306	0.46	0.458	0.342	0.229	0.299	0.353
DK0005R	selenium	aerosol	0.559	0.697	0.41	0.419	0.402	0.417	0.473	0.604	0.517	0.705	0.381	0.462	0.51
DK0008R	selenium	aerosol	0.392	0.478	0.339	0.346	0.252	0.289	0.274	0.393	0.321	0.359	0.223	0.276	0.33
DK0010G	selenium	aerosol	0.071	0.107	0.073	0.078	0.042	0.022	0.051	0.046	0.018	0.012	0.051	0.041	0.05
DK0031R	selenium	aerosol	0.396	0.606	0.323	0.473	0.381	0.38	0.368	0.42	0.372	0.365	0.227	0.374	0.39
DE0001R	thallium	aerosol	0.04	0.035	0.01	0.005	0.015	0.008	0.004	0.005	0.011	0.018	0.012	0.037	0.017
DE0002R	thallium	aerosol	0.098	0.039	0.023	0.017	0.103	0.048	0.016	0.017	0.018	0.039	0.024	0.063	0.041
DE0007R	thallium	aerosol	0.045	0.029	0.014	0.017	0.018	0.011	0.011	0.01	0.011	0.031	0.029	0.079	0.025
DE0008R	thallium	aerosol	0.014	0.013	0.006	0.009	0.025	0.018	0.011	0.007	0.01	0.012	0.005	0.01	0.012
DE0009R	thallium	aerosol	0.053	0.018	0.006	0.005	0.02	0.006	0.004	0.006	0.012	0.032	0.021	0.05	0.019
DE0001R	vanadium	aerosol	2.52	4.12	2.14	3.70	2.83	2.26	2.70	2.23	2.05	1.70	1.33	1.91	2.46
DE0002R	vanadium	aerosol	1.31	1.73	0.83	1.28	1.58	1.33	1.18	1.10	1.08	1.06	0.90	1.21	1.22
DE0003R	vanadium	aerosol	0.17	0.24	0.37	0.51	0.78	0.82	0.75	0.84	0.84	0.82	0.21	0.17	0.55
DE0007R	vanadium	aerosol	1.04	1.68	0.73	1.45	1.62	1.12	1.10	1.04	0.94	0.89	0.76	1.13	1.13
DE0008R	vanadium	aerosol	0.34	0.62	0.38	0.45	0.92	0.74	0.62	0.57	0.50	0.49	0.29	0.26	0.52
DE0009R	vanadium	aerosol	2.31	4.29	2.24	6.26	4.98	3.83	3.18	2.84	3.09	2.34	1.33	2.19	3.16
FI0017R	vanadium	aerosol	1.51	1.86	2.25	4.05	3.12	3.02	1.54	1.40	1.60	1.24	0.99	1.53	2.01
FI0036R	vanadium	aerosol	1.05	1.08	1.33	0.82	0.48	0.18	0.18	0.14	0.26	0.15	0.59	0.26	0.54
FI0037R	vanadium	aerosol	0.69	0.63	1.32	0.83	0.65	0.51	0.27	0.35	0.50	0.23	0.18	0.30	0.54
IS0091R	vanadium	aerosol	0.53	0.92	4.23	7.65	0.89	2.83	2.45	1.72	0.48	1.72	1.92	0.94	2.19
NO0001R	vanadium	pm10	0.70	0.64	0.89	1.69	0.96	0.56	0.66	0.65	0.37	0.19	0.23	0.35	0.71
NO0042G	vanadium	aerosol	0.13	0.13	0.16	0.12	0.03	0.01	0.06	0.04	0.02	0.04	0.09	0.13	0.08
BE0014R	zinc	aerosol	29.5	76.2	25.2	32.4	47.3	28.5	35.1	27.4	39.9	31.5	32.0	42.8	37.2
DE0001R	zinc	aerosol	10.4	14.3	9.8	23.8	12.0	4.5	4.9	3.2	9.9	5.3	7.2	12.3	9.7
DE0002R	zinc	aerosol	19.2	21.0	13.5	11.8	12.0	10.8	13.8	15.2	21.4	26.2	17.2	27.6	17.2
DE0003R	zinc	aerosol	7.1	5.0	8.0	9.1	10.5	9.7	8.9	8.4	20.2	5.6	4.1	8.4	8.8
DE0007R	zinc	aerosol	20.5	20.2	18.3	12.9	11.1	7.7	8.6	9.2	16.8	16.3	19.8	28.5	15.7
DE0008R	zinc	aerosol	6.6	8.0	5.5	7.6	11.8	11.5	9.5	14.4	10.2	9.0	8.2	6.0	9.1
DE0009R	zinc	aerosol	17.0	13.8	8.4	9.0	10.2	10.3	11.2	16.7	10.4	14.6	9.9	16.7	12.4
DK0003R	zinc	aerosol	12.0	10.6	8.0	13.9	12.8	6.7	5.5	6.3	15.3	8.9	10.0	15.1	10.3
DK0005R	zinc	aerosol	21.6	13.8	11.6	11.1	12.0	8.5	9.5	10.2	13.4	12.2	10.3	13.2	12.4

Site	Comp	Matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
DK0008R	zinc	aerosol	19.2	8.0	7.5	9.9	7.1	4.7	2.9	4.3	6.2	5.0	6.1	9.0	7.6
DK0010G	zinc	aerosol	2.3	4.1	2.1	1.7	1.3	0.0	0.0	0.1	0.2	0.1	0.2	0.7	1.0
DK0031R	zinc	aerosol	13.7	10.6	7.2	13.5	12.0	6.9	6.8	4.7	11.1	5.3	8.5	13.5	9.5
ES0007R	zinc	pm10	-	-	-	6.6	4.6	-	-	-	-	-	-	-	-
ES0008R	zinc	pm10	16.4	32.4	6.1	32.9	10.7	5.2	18.9	23.2	51.4	15.6	4.6	9.3	19.2
ES0009R	zinc	pm10	3.2	2.2	2.0	1.2	2.1	3.4	5.7	5.4	4.1	5.5	4.3	2.1	3.5
ES0010R	zinc	pm10	3.4	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	zinc	pm10	-	-	3.3	2.6	-	-	-	-	-	-	-	-	-
ES0012R	zinc	pm10	-	2.7	-	-	-	-	-	-	-	-	-	-	-
ES0013R	zinc	pm10	-	-	-	-	-	2.6	3.0	-	-	-	-	-	-
FI0017R	zinc	aerosol	17.2	9.5	12.1	16.9	8.3	7.7	3.8	6.6	11.8	9.8	8.3	11.2	10.3
FI0036R	zinc	aerosol	5.8	1.9	3.4	2.5	2.3	0.9	0.6	0.6	1.5	0.6	1.1	1.1	1.8
FI0037R	zinc	aerosol	7.9	5.4	9.0	6.2	4.1	3.1	1.7	2.2	4.0	1.8	1.4	5.0	4.3
FR0009R	zinc	aerosol	-	-	-	-	-	20.2	9.2	25.0	24.6	12.2	11.3	21.0	17.2
FR0013R	zinc	aerosol	14.1	11.4	5.7	8.5	8.9	7.5	6.2	8.7	16.0	9.7	8.2	11.5	9.3
GB0013R	zinc	pm10	3.2	11.3	3.3	6.8	13.3	3.9	5.6	3.5	10.0	3.2	8.9	3.4	6.4
GB0017R	zinc	pm10	-	4.3	4.5	16.8	21.9	-	10.2	-	12.9	8.0	5.7	13.0	10.5
GB0091R	zinc	pm10	3.8	3.2	2.9	4.9	5.6	5.3	5.4	3.4	4.8	5.7	3.0	4.6	4.3
IS0091R	zinc	aerosol	26.8	7.8	21.4	15.4	3.0	3.5	30.8	3.3	2.4	12.8	3.0	21.3	12.9
LT0015R	zinc	aerosol	17.9	14.0	12.3	17.5	21.3	12.2	11.5	9.4	12.2	10.2	8.2	13.4	13.3
LV0010R	zinc	pm10	42.3	27.4	28.7	42.0	41.9	34.0	21.9	21.6	-	18.7	21.2	-	30.8
LV0016R	zinc	pm10	17.5	13.9	13.1	13.5	10.5	10.6	19.4	10.5	13.3	15.7	12.1	8.8	13.2
NL0008R	zinc	aerosol	34.0	45.5	31.3	33.5	29.0	25.3	26.8	24.1	27.4	37.9	28.9	33.0	31.4
NL0009R	zinc	aerosol	22.3	28.8	29.1	32.0	17.6	14.4	26.4	11.4	20.8	35.5	25.4	31.7	24.5
NL0010R	zinc	aerosol	-	-	-	-	-	-	-	-	52.4	66.4	39.1	41.9	-
NO0001R	zinc	pm10	9.1	2.7	3.1	5.7	3.5	2.2	2.6	3.0	2.7	3.1	2.6	4.4	3.9
NO0042G	zinc	aerosol	1.9	3.3	5.2	2.5	0.7	0.5	0.3	0.6	0.4	0.4	0.5	2.7	1.5
PL0005R	zinc	pm10	33.4	32.9	18.9	35.0	15.8	5.1	9.6	13.0	19.1	26.8	21.2	28.3	21.0
SK0002R	zinc	pm10	3.3	2.6	3.3	5.0	5.8	5.2	4.9	8.2	6.5	3.5	2.4	2.0	4.4
SK0004R	zinc	pm10	13.2	15.9	10.2	13.2	12.0	11.5	8.0	13.7	10.4	12.4	17.8	15.6	12.8
SK0006R	zinc	pm10	11.8	18.1	11.2	11.3	8.8	9.0	8.6	11.0	11.0	12.7	17.0	9.7	11.7
SK0007R	zinc	pm10	27.7	30.3	15.1	17.5	14.5	11.7	11.0	10.8	17.4	19.0	20.4	25.6	17.9

Annex 7

Monthly mean values for POPs in precipitation

Site	Comp	matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
BE0014R	alpha_HCH	precip	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
BE0014R	gamma_HCH	precip	0.2	0.403	0.433	1.688	1.504	0.358	0.795	0.654	0.268	0.577	0.51	0.2	0.654
CZ0003R	alpha_HCH	precip	0.05	0.059	0.09	0.115	0.168	0.05	1.041	0.135	0.328	0.563	0.125	0.05	0.239
CZ0003R	gamma_HCH	precip	0.756	0.717	0.319	0.985	1.108	1.114	0.84	0.569	0.539	0.385	0.239	0.112	0.645
DE0001R	alpha_HCH	precip	0.137	0.147	0.107	0.183	0.529	0.092	0.159	0.13	0.191	0.19	0.179	0.076	0.146
DE0001R	gamma_HCH	precip	0.659	0.825	0.731	0.844	1.092	0.833	0.71	0.767	0.426	0.411	0.306	0.261	0.634
DE0003R	alpha_HCH	precip	0.115	0.183	0.099	0.211	0.433	0.403	0.307	0.221	0.272	0.177	0.21	0.113	0.224
DE0003R	gamma_HCH	precip	0.773	1.261	1.402	1.862	3.894	2.793	2.679	2.23	2.226	1.101	1.491	0.784	1.872
DE0008R	alpha_HCH	precip	0.261	0.187	0.128	0.17	0.121	0.196	0.196	0.288	0.485	0.275	0.117	0.123	0.221
DE0008R	gamma_HCH	precip	1.014	0.978	1.074	1.398	1.602	1.465	1.586	1.701	3.409	1.353	0.387	0.449	1.364
DE0009R	alpha_HCH	precip	0.244	0.225	0.198	0.18	0.238	0.152	0.161	0.179	0.334	0.194	0.187	0.13	0.198
DE0009R	gamma_HCH	precip	0.882	0.978	0.637	0.407	1.375	1.85	1.048	1.205	1.177	0.607	0.584	0.807	0.829
FI0096G	alpha_HCH	precip+dry_dep	0.01	0	0	0.04	0.02	0.02	0.21	0.18	0	0.058	0.02	0.03	0.052
FI0096G	gamma_HCH	precip+dry_dep	0.01	0.03	0.02	0.05	0.02	0.02	0.16	0.21	0.01	0.039	0.18	0.02	0.066
IS0091R	alpha_HCH	precip	0.116	0.084	0.087	0.106	0.123	0.147	0.09	0.058	0.047	0.094	0.049	0.036	0.074
IS0091R	beta_HCH	precip	0.007	0.004	0.004	0.006	0.012	0.012	0.005	0.003	0.002	0.003	0.002	0.002	0.004
IS0091R	gamma_HCH	precip	0.04	0.037	0.029	0.067	0.105	0.046	0.042	0.011	0.013	0.019	0.019	0.008	0.027
NL0091R	gamma_HCH	precip	3	4.14	3.066	3.09	4.669	2	2	2.906	3.9	2	1.472	1	2.64
NO0001R	alpha_HCH	precip	0.179	0.295	0.228	0.277	0.362	0.188	0.192	0.172	0.218	0.279	0.216	0.175	0.22
NO0001R	gamma_HCH	precip	0.316	0.476	0.486	0.668	0.489	0.494	0.41	0.31	0.436	0.439	0.331	0.16	0.414
SE0012R	alpha_HCH	precip+dry_dep	0.21	0.09	0.04	0.01	0.02	0.31	0.1	0.14	0.01	0.31	0.135	0.11	0.117
SE0012R	gamma_HCH	precip+dry_dep	0.43	0.08	0.05	0.03	0.02	1.3	0.08	0.32	0.01	0.45	0.161	0.15	0.24
SE0014R	alpha_HCH	precip+dry_dep	0.038	0.107	0.169	0.11	0.032	0.214	0.235	0.132	0.14	0.14	0.112	0.02	0.122
SE0014R	gamma_HCH	precip+dry_dep	0.169	0.306	0.567	0.27	0.078	0.413	0.81	0.486	0.474	0.32	0.255	0.05	0.353
DE0001R	HCB	precip	0.033	0.039	0.018	0.039	0.14	0.025	0.062	0.025	0.048	0.047	0.042	0.074	0.037
DE0003R	HCB	precip	0.046	0.033	0.029	0.06	0.099	0.073	0.051	0.09	0.014	0.038	0.057	0.032	0.053
DE0008R	HCB	precip	0.034	0.038	0.013	0.025	0.093	0.016	0.015	0.027	2.389	0.031	0.041	0.033	0.205
DE0009R	HCB	precip	0.018	0.026	0.018	0.029	0.046	0.036	0.032	0.024	0.046	0.034	0.06	0.146	0.036
IS0091R	HCB	precip	0.015	0.016	0.016	0.022	0.018	0.018	0.008	0.007	0.006	0.01	0.009	0.011	0.011
NO0001R	HCB	precip	0.096	0.117	0.076	0.154	0.146	0.058	0.04	0.045	0.064	0.092	0.127	0.172	0.089
CZ0003R	acenaphthene	precip	0.482	0.382	0.528	0.575	0.464	0.271	0.446	0.487	0.755	0.721	0.59	0.986	0.529
CZ0003R	acenaphthylene	precip	0.626	0.728	1.539	1.143	0.179	0.069	0.109	0.133	0.679	1.401	2.511	5.874	1.104
DE0001R	anthracene	precip	0.138	0.326	0.754	0.441	0.655	0.115	0.119	0.11	0.311	0.318	0.407	0.921	0.312
DE0003R	anthracene	precip	5.407	0.626	1.036	0.999	0.354	0.461	0.752	0.281	0.449	0.314	1.095	0.477	0.962
DE0008R	anthracene	precip	0.404	0.477	0.709	0.44	1.805	1.032	0.518	0.312	16.472	0.453	0.692	0.598	1.752
DE0009R	anthracene	precip	0.563	0.17	0.186	0.221	0.605	0.58	0.193	0.138	0.171	0.218	3.834	0.845	0.586
FI0096G	anthracene	precip+dry_dep	3	0	0	0	0	0	0	0	0	0	1	1	0.4
SE0012R	anthracene	precip+dry_dep	3	1	1	0	0	1	0	0	0	1	4.5	3	1.5
SE0014R	anthracene	precip+dry_dep	1	1	0.742	0	0	0.933	0	0	0	0	4.667	1	0.8

Site	Comp	matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
BE0014R	dieldrin	precip	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
DE0001R	dieldrin	precip	0.03	0.092	0.118	0.114	0.283	0.049	0.097	0.107	0.041	0.04	0.036	0.092	0.081
DE0003R	dieldrin	precip	0.109	0.157	0.207	0.181	0.113	0.138	0.108	0.076	0.071	0.059	0.141	0.131	0.124
DE0008R	dieldrin	precip	0.043	0.088	0.146	0.115	0.053	0.026	0.061	0.089	0.086	0.047	0.085	0.038	0.078
DE0009R	dieldrin	precip	0.397	0.17	0.342	0.053	0.06	0.079	0.067	0.017	0.033	0.022	0.038	0.1	0.11
IS0091R	dieldrin	precip	0.032	0.019	0.02	0.02	0.036	0.012	0.024	0.018	0.015	0.026	0.017	0.028	0.022
BE0014R	endrin	precip	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
DE0001R	endrin	precip	0.046	0.072	0.032	0.12	0.356	0.062	0.091	0.023	0.071	0.069	0.065	0.162	0.06
DE0003R	endrin	precip	0.024	0.025	0.011	0.008	0.023	0.015	0.031	0.022	0.029	0.026	0.065	0.054	0.025
DE0008R	endrin	precip	0.098	0.069	0.018	0.015	0.067	0.033	0.022	0.037	0.05	0.032	0.055	0.066	0.041
DE0009R	endrin	precip	0.036	0.05	0.031	0.016	0.075	0.05	0.103	0.056	0.079	0.033	0.056	0.149	0.051
DE0001R	fluoranthene	precip	10.25	10.458	8.772	7.301	25.509	8.417	4.769	4.55	9.889	10.278	14.947	40.552	9.895
DE0003R	fluoranthene	precip	25.119	15.207	20.235	73.644	7.248	7.36	4.522	3.256	5.29	9.942	25.686	39.635	22.504
DE0008R	fluoranthene	precip	25.286	14.667	21.042	14.377	11.859	9.6	5.398	5.257	28.586	21.724	50.132	61.983	22.251
DE0009R	fluoranthene	precip	38.728	20.512	13.957	15.897	28.986	13.223	3.068	4.141	8.735	6.632	60.001	37.321	18.414
FI0096G	fluoranthene	precip+dry_dep	83	3	5	4	3	5	4	3	13	8.333	4	41	14.417
SE0012R	fluoranthene	precip+dry_dep	110	17	13	3	2	19	6	5	3	33	83.75	100	35.97
SE0014R	fluoranthene	precip+dry_dep	46.667	25.172	22.129	11	4.032	23.567	4.129	5.226	6.9	9	86.467	19	21.768
CZ0003R	fluorene	precip	3.256	2.844	4.749	3.433	1.757	0.869	1.541	1.365	3.512	3.973	4.276	7.932	3.054
CZ0003R	inden_123cd_pyrene	precip	2.242	1.195	4.013	6.113	0.89	0.433	0.306	0.437	3.218	7.038	4.151	15.037	3.166
DE0001R	inden_123cd_pyrene	precip	1.72	1.005	1.218	1.426	6.94	1.44	0.777	1	2.232	2.303	3.682	15.134	2.253
DE0003R	inden_123cd_pyrene	precip	6.169	4.443	4.635	3.108	0.485	0.968	0.462	0.252	0.723	1.251	8.067	13.522	3.251
DE0008R	inden_123cd_pyrene	precip	6.62	6.183	4.978	1.792	3.157	0.923	0.506	0.637	4.034	4.403	12.719	17.034	5.022
DE0009R	inden_123cd_pyrene	precip	11.731	3.99	1.928	3.206	7.926	3.228	0.358	0.611	3.432	0.874	16.599	13.363	4.584
FI0096G	inden_123cd_pyrene	precip+dry_dep	49	1	1	1	1	1	1	1	10	5.333	2	16	7.167
PL0005R	inden_123cd_pyrene	precip	42.1	66.8	74	33	17.4	16.8	8.5	10.6	8.5	9.6	48.8	32.2	31.082
SE0012R	inden_123cd_pyrene	precip+dry_dep	51	2	3	1	0	5	2	1	1	13	52.375	70	19
SE0014R	inden_123cd_pyrene	precip+dry_dep	12.2	6.828	5.226	3	1.258	5.667	1	1	1.3	2	62.667	9	9.171
SI0008R	inden_123cd_pyrene	precip+dry_dep	-	-	0.011	0.024	0.011	0.018	0.005	0.012	0.018	0.016	0.116	0.46	0.076
CZ0003R	phenanthrene	precip	18.658	14.198	31.685	24.765	5.338	4.079	4.764	4.876	18.607	20.386	22.227	50.087	16.565
DE0001R	phenanthrene	precip	7.701	7.164	8.782	3.468	31.239	6.748	5.127	6.263	6.613	7.103	11.544	25.284	8.328
DE0003R	phenanthrene	precip	93.697	10.835	17.38	74.517	9.665	12.82	13.906	13.63	10.571	13.734	117.901	23.482	34.155
DE0008R	phenanthrene	precip	18.137	15.811	18.903	15.661	26.342	21.964	16.861	8.091	1418.27	20.972	28.672	33.734	124.359
DE0009R	phenanthrene	precip	28.014	14.901	12.958	11.803	14.84	10.775	16.173	7.681	7.329	7.817	30.667	17.243	14.338
FI0096G	phenanthrene	precip+dry_dep	48	4	6	7	6	9	6	4	11	7.5	33	28	13.917
SE0012R	phenanthrene	precip+dry_dep	58	20	12	2	5	15	5	5	5	27	44.5	51	22.141
SE0014R	phenanthrene	precip+dry_dep	31.733	18.552	21.613	9	3.774	19.867	5.129	6	6.3	7	51.8	15	16.21
CZ0003R	pyrene	precip	9.986	7.581	26.337	19.392	2.623	2.24	1.077	2.194	9.052	19.084	18.727	61.319	13.203
DE0001R	pyrene	precip	4.747	5.269	6.501	3.851	16.497	5.175	2.74	2.899	6.281	6.455	8.937	25.448	6.01
DE0003R	pyrene	precip	22.788	15.259	12.907	38.789	4.345	4.363	2.907	2.017	2.749	6.414	6.812	26.066	13.329

Site	Comp	matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
DE0008R	pyrene	precip	14.958	10.459	16.266	8.743	9.672	8.002	4.129	4.004	15.858	15.55	35.153	39.725	15.092
DE0009R	pyrene	precip	26.275	11.865	8.918	9.875	23.631	9.22	2.186	2.665	7.654	4.623	47.947	27.476	13.133
FI0096G	pyrene	precip+dry_dep	65	2	3	2	2	3	2	1	12	7.333	3	32	10.917
SE0012R	pyrene	precip+dry_dep	74	11	8	2	1	13	4	3	2	24	64.25	70	25.586
SE0014R	pyrene	precip+dry_dep	26.267	15	12.935	7	2.645	14.167	3	3.226	4.6	6	71.333	13	14.812
CZ0003R	benz_a_anthracene	precip	1.268	0.805	4.017	2.558	0.353	0.293	0.09	0.317	1.737	4.337	3.552	16.914	2.515
DE0001R	benz_a_anthracene	precip	0.774	0.87	1.282	0.947	3.127	1.207	0.703	0.737	2.102	2.059	2.208	7.958	1.516
DE0003R	benz_a_anthracene	precip	3.102	1.565	2.27	2.277	0.457	0.524	0.484	0.294	0.541	1.038	6.185	6.924	1.945
DE0008R	benz_a_anthracene	precip	3.227	2.714	2.744	1.582	1.862	1.205	0.691	0.663	2.921	3.549	8.109	7.49	3.047
DE0009R	benz_a_anthracene	precip	6.188	2.434	1.338	2.022	6.363	2.617	0.449	0.63	2.088	0.862	22.714	11.733	4.147
FI0096G	benz_a_anthracene	precip+dry_dep	23	0	0	0	0	1	0	0	4	2.25	2	8	3.25
PL0005R	benz_a_anthracene	precip	27.2	37.5	44.7	16.1	7.8	6.4	4.8	3.6	3.2	3.7	18.6	17.7	16.095
SE0012R	benz_a_anthracene	precip+dry_dep	28	2	2	1	0	5	2	1	0	6	27.875	25	9.667
SE0014R	benz_a_anthracene	precip+dry_dep	5.6	2.828	2	2	1.129	2.833	0.129	1	1	1	29.933	3	4.337
SI0008R	benz_a_anthracene	precip+dry_dep	-	-	0.004	0.009	0.004	0.009	0.003	0.003	0.008	0.007	0.027	0.134	0.023
CZ0003R	benzo_a_pyrene	precip	0.618	0.484	2.213	1.639	0.255	0.343	0.141	0.383	1.654	4.226	2.834	13.708	1.95
DE0001R	benzo_a_pyrene	precip	0.572	0.63	0.872	1.153	4.641	1.318	0.661	0.758	1.546	1.551	1.88	5.705	1.264
DE0003R	benzo_a_pyrene	precip	2.996	2.371	2.87	2.169	0.505	0.737	0.383	0.199	0.591	0.952	4.908	6.472	1.915
DE0008R	benzo_a_pyrene	precip	3.651	4.228	3.463	1.46	3.018	1.11	0.623	0.695	3.174	2.726	7.437	8.486	3.155
DE0009R	benzo_a_pyrene	precip	5.499	2.485	1.007	1.62	6.228	7.506	0.313	0.534	2.509	0.653	15.82	8.119	3.404
FI0096G	benzo_a_pyrene	precip+dry_dep	27	1	1	1	0	1	1	1	7	4.083	1	10	4.417
PL0005R	benzo_a_pyrene	precip	26.4	48	58.1	27.8	11.6	13	6.3	8.7	5.4	4	21.9	24.6	21.649
SE0012R	benzo_a_pyrene	precip+dry_dep	28	2	4	4	3	6	2	1	1	12	33.875	23	11.657
SE0014R	benzo_a_pyrene	precip+dry_dep	6.6	4	3.742	3	3.871	3.9	1	1	1.3	2	35.6	4	5.801
SI0008R	benzo_a_pyrene	precip+dry_dep	-	-	0.013	0.018	0.011	0.012	0.005	0.007	0.01	0.01	0.04	0.152	0.03
CZ0003R	benzo_b_fluoranthene	precip	2.72	1.973	7.629	8.828	0.878	0.664	0.336	0.559	6.59	9.029	6.273	23.738	4.845
FI0096G	benzo_b_fluoranthene	precip+dry_dep	51	1	2	1	1	2	2	1	9	6.083	2	18	7.833
PL0005R	benzo_b_fluoranthene	precip	61.9	102.8	121	49.9	21.7	19.8	10.2	12.1	7.8	8	40.2	38.6	42.013
SE0014R	benzo_b_fluoranthene	precip+dry_dep	16.067	9.655	6.968	4	1.387	8.467	1.129	2	2.6	4	64.667	11	10.89
DE0001R	benzo_bjk_fluoranthenes	precip	4.993	3.493	2.973	4.841	18.899	4.06	2.803	2.655	6.183	6.631	11.879	39.682	6.476
DE0003R	benzo_bjk_fluoranthenes	precip	20.814	12.553	13.539	10.683	1.707	2.51	1.347	0.981	2.548	4.785	24.555	36.004	9.933
DE0008R	benzo_bjk_fluoranthenes	precip	17.477	16.944	15.559	7.781	8.741	3.77	2.081	2.517	10.628	13.573	37.894	40.895	14.462
DE0009R	benzo_bjk_fluoranthenes	precip	35.749	12.362	5.364	8.107	21.906	1.505	1.358	2.138	10.429	2.421	56.676	42.823	13.882
SI0008R	benzo_bjk_fluoranthenes	precip+dry_dep	-	-	0.063	0.078	0.05	0.077	0.024	0.028	0.037	0.023	0.147	0.544	0.112
DE0001R	benzo_ghi_perylene	precip	1.736	1.099	1.242	1.304	5.27	1.248	0.828	0.944	2.048	2.147	3.471	11.69	2.034
DE0003R	benzo_ghi_perylene	precip	6.369	4.806	5.04	3.06	0.491	0.903	0.491	0.315	0.775	1.328	7.53	12.278	3.224
DE0008R	benzo_ghi_perylene	precip	7.931	6.942	5.627	1.909	3.167	0.876	0.594	0.706	3.736	4.325	12.076	16.818	5.162
DE0009R	benzo_ghi_perylene	precip	10.854	3.874	1.945	2.61	7.119	2.821	0.43	0.636	3.249	0.79	13.818	11.228	4.035
FI0096G	benzo_ghi_perylene	precip+dry_dep	35	1	1	1	0	1	1	0	7	4.083	2	13	5.333

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SE0012R	benzo_ghi_perylene	precip+dry_dep	51	4	5	2	1	7	2	1	1	10	46.75	58	17.818
SE0014R	benzo_ghi_perylene	precip+dry_dep	7.6	5	4.484	3	1.258	4.733	1	1	1	1	38.333	7	6.221
CZ0003R	benzo_k_fluoranthene	precip	1.748	1.148	4.975	4.738	0.867	0.474	0.176	0.332	1.44	4.993	3.604	13.005	2.739
FI0096G	benzo_k_fluoranthene	precip+dry_dep	21	0	1	0	0	1	1	0	4	2.25	1	7	3.083
PL0005R	benzo_k_fluoranthene	precip	24.3	40.7	43.8	18.7	9	8.9	4.5	5.4	3.5	3.2	15.6	16.6	16.386
SE0012R	benzo_k_fluoranthene	precip+dry_dep	30	2	2	1	0	4	1	1	0	6	25.25	38	10.152
SE0014R	benzo_k_fluoranthene	precip+dry_dep	6.6	3.828	2.742	2	1.129	2.867	1	1	1	1	27.133	4	4.486
CZ0003R	chrysene	precip	4.932	3.318	19.371	12.135	1.808	1.199	0.711	0.675	8.626	13.697	11.969	39.244	8.727
DE0001R	chrysene_triphenylene	precip	3.831	3.956	2.686	3.532	12.406	3.465	2.46	1.632	6.086	6.283	9.06	27.348	5.019
DE0008R	chrysene_triphenylene	precip	11.618	8.211	10.329	6.275	6.464	4.15	2.162	2.352	7.677	9.452	24.41	28.629	9.942
DE0009R	chrysene_triphenylene	precip	25.049	11.807	5.725	6.959	20.246	6.83	1.432	2.178	7.286	2.249	39.126	30.786	10.87
CZ0003R	dibenzo_ah_anthracene	precip	0.05	0.058	0.367	0.325	0.055	0.069	0.05	0.05	0.132	0.457	0.186	1.115	0.21
DE0001R	dibenzo_ah_anthracene	precip	0.305	0.203	0.267	0.189	0.565	0.235	0.164	0.161	0.459	0.459	0.594	2.373	0.382
DE0003R	dibenzo_ah_anthracene	precip	0.918	0.687	0.688	0.57	0.075	0.146	0.099	0.06	0.101	0.193	1.357	2.029	0.515
DE0008R	dibenzo_ah_anthracene	precip	0.977	0.941	0.86	0.316	0.527	0.169	0.083	0.114	0.602	0.636	1.773	2.596	0.765
DE0009R	dibenzo_ah_anthracene	precip	1.73	0.625	0.261	0.373	1.282	0.532	0.086	0.12	0.391	0.114	2.934	2.108	0.708
PL0005R	dibenzo_ah_anthracene	precip	11.3	20	30.3	7.4	2.1	5.4	0.5	2.2	2.6	2.3	10.9	8	8.986
SI0008R	dibenzo_ah_anthracene	precip+dry_dep	-	-	0.003	0.003	0.003	0.004	0.002	0.002	0.003	0.004	0.04	0.056	0.013
DE0001R	heptachlor	precip	0.017	0.027	0.012	0.054	0.16	0.028	0.029	0.007	0.023	0.022	0.02	0.052	0.021
DE0003R	heptachlor	precip	0.009	0.01	0.004	0.003	0.01	0.007	0.01	0.007	0.009	0.008	0.021	0.017	0.009
DE0008R	heptachlor	precip	0.037	0.025	0.007	0.006	0.03	0.015	0.007	0.012	0.016	0.01	0.017	0.021	0.014
DE0009R	heptachlor	precip	0.014	0.017	0.006	0.007	0.034	0.017	0.033	0.018	0.025	0.011	0.018	0.048	0.017
CZ0003R	PCB_101	precip	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
DE0001R	PCB_101	precip	0.13	0.175	0.158	0.117	0.881	0.154	0.072	0.041	0.08	0.078	0.072	0.172	0.101
DE0003R	PCB_101	precip	0.118	0.163	0.098	0.141	0.187	0.135	0.188	1.121	0.032	0.029	0.074	0.06	0.209
DE0008R	PCB_101	precip	0.194	0.219	0.069	0.032	0.144	0.072	0.035	0.06	0.268	0.035	0.061	0.074	0.089
DE0009R	PCB_101	precip	0.074	0.105	0.074	0.015	0.069	0.154	0.146	0.058	0.117	0.165	0.115	0.223	0.097
FI0096G	PCB_101	precip+dry_dep	0.07	0.1	0.07	0.11	0.13	0.12	0.09	0.06	0.07	0.082	-	0.07	0.089
IS0091R	PCB_101	precip	0.029	0.052	0.006	0.015	0.018	0.027	0.005	0.003	0.002	0.007	0.008	0.004	0.013
NO0001R	PCB_101	precip	0.02	0.051	0.037	0.017	0.021	0.016	0.036	0.058	0.026	0.008	0.013	0.015	0.028
SE0012R	PCB_101	precip+dry_dep	0.08	0.03	0.02	0.1	0.02	0.06	0.02	0.02	0.05	0.03	0.03	0.03	0.039
SE0014R	PCB_101	precip+dry_dep	0.171	0.124	0.185	0.17	0.187	0.112	0.091	0.1	0.109	0.13	0.102	0.08	0.13
SE0014R	PCB_101	precip+dry_dep	0.171	0.124	0.185	0.17	0.187	0.112	0.091	0.1	0.109	0.13	0.102	0.08	0.13
IS0091R	PCB_105	precip	0.023	0.04	0.004	0.011	0.012	0.012	0.005	0.003	0.002	0.005	0.002	0.002	0.009
CZ0003R	PCB_118	precip	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
DE0001R	PCB_118	precip	0.051	0.069	0.062	0.051	0.692	0.121	0.034	0.02	0.02	0.019	0.018	0.043	0.043
DE0003R	PCB_118	precip	0.036	0.051	0.018	0.045	0.052	0.044	0.047	0.232	0.015	0.019	0.02	0.015	0.052
DE0008R	PCB_118	precip	0.064	0.072	0.023	0.013	0.057	0.028	0.016	0.014	0.054	0.01	0.034	0.019	0.027
DE0009R	PCB_118	precip	0.023	0.032	0.019	0.006	0.028	0.065	0.035	0.027	0.053	0.057	0.052	0.106	0.035

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FI0096G	PCB_118	precip+dry_dep	0.06	0.1	0.08	0.13	0.1	0.06	0.1	0.07	0.05	0.062	-	0.1	0.084
IS0091R	PCB_118	precip	0.033	0.06	0.007	0.01	0.012	0.012	0.005	0.003	0.002	0.007	0.006	0.002	0.013
NO0001R	PCB_118	precip	0.017	0.026	0.015	0.015	0.012	0.012	0.032	0.073	0.022	0.004	0.005	0.01	0.023
SE0012R	PCB_118	precip+dry_dep	0.02	0.02	0.01	0.04	0.02	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.025
SE0014R	PCB_118	precip+dry_dep	0.126	0.138	0.281	0.17	0.266	0.144	0.114	0.129	0.114	0.17	0.114	0.13	0.159
SE0014R	PCB_118	precip+dry_dep	0.126	0.138	0.281	0.17	0.266	0.144	0.114	0.129	0.114	0.17	0.114	0.13	0.159
CZ0003R	PCB_138	precip	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
DE0001R	PCB_138	precip	0.242	0.278	0.094	0.184	1.791	0.313	0.195	0.081	0.108	0.105	0.097	0.232	0.157
DE0003R	PCB_138	precip	0.155	0.291	0.141	0.199	0.387	0.164	0.14	0.678	0.044	0.039	0.099	0.081	0.205
DE0008R	PCB_138	precip	0.301	0.348	0.128	0.042	0.186	0.092	0.045	0.04	0.215	0.047	0.083	0.1	0.114
DE0009R	PCB_138	precip	0.083	0.118	0.084	0.022	0.101	0.187	0.115	0.177	0.166	0.286	0.145	0.264	0.136
FI0096G	PCB_138	precip+dry_dep	0.07	0.13	0.1	0.14	0.16	0.19	0.12	0.07	0.08	0.109	-	0.1	0.117
IS0091R	PCB_138	precip	0.05	0.088	0.015	0.022	0.021	0.02	0.008	0.007	0.005	0.012	0.01	0.005	0.021
NO0001R	PCB_138	precip	0.023	0.044	0.034	0.018	0.013	0.013	0.045	0.116	0.023	0.005	0.007	0.015	0.034
SE0012R	PCB_138	precip+dry_dep	0.09	0.06	0.03	0.43	0.03	0.16	0.04	0.03	0.18	0.04	0.049	0.06	0.092
SE0014R	PCB_138	precip+dry_dep	0.284	0.344	0.502	0.48	0.515	0.389	0.239	0.298	0.329	0.42	0.299	0.13	0.354
SE0014R	PCB_138	precip+dry_dep	0.284	0.344	0.502	0.48	0.515	0.389	0.239	0.298	0.329	0.42	0.299	0.13	0.354
CZ0003R	PCB_153	precip	0.06	0.146	0.059	0.05	0.05	0.052	0.05	0.05	0.05	0.05	0.05	0.05	0.057
DE0001R	PCB_153	precip	0.227	0.272	0.136	0.143	1.572	0.274	0.212	0.069	0.112	0.109	0.1	0.242	0.154
DE0003R	PCB_153	precip	0.163	0.303	0.18	0.158	0.37	0.133	0.155	0.765	0.047	0.041	0.104	0.085	0.212
DE0008R	PCB_153	precip	0.314	0.361	0.129	0.047	0.21	0.105	0.049	0.043	0.212	0.049	0.086	0.104	0.118
DE0009R	PCB_153	precip	0.091	0.13	0.093	0.043	0.102	0.146	0.233	0.086	0.177	0.284	0.121	0.209	0.138
FI0096G	PCB_153	precip+dry_dep	0.06	0.1	0.07	0.12	0.13	0.12	0.07	0.05	0.06	0.089	-	0.08	0.088
IS0091R	PCB_153	precip	0.04	0.061	0.012	0.029	0.019	0.035	0.008	0.003	0.003	0.008	0.01	0.005	0.017
NO0001R	PCB_153	precip	0.039	0.053	0.056	0.025	0.016	0.021	0.085	0.199	0.043	0.007	0.011	0.016	0.056
SE0012R	PCB_153	precip+dry_dep	0.07	0.04	0.02	0.54	0.02	0.12	0.03	0.01	0.16	0.02	0.029	0.04	0.083
SE0014R	PCB_153	precip+dry_dep	0.183	0.226	0.355	0.37	0.466	0.293	0.179	0.175	0.217	0.28	0.187	0.1	0.254
IS0091R	PCB_156	precip	0.01	0.018	0.004	0.006	0.012	0.012	0.005	0.003	0.002	0.003	0.002	0.002	0.005
CZ0003R	PCB_180	precip	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
DE0001R	PCB_180	precip	0.06	0.07	0.03	0.07	0.55	0.096	0.036	0.025	0.031	0.03	0.028	0.067	0.044
DE0003R	PCB_180	precip	0.128	0.091	0.058	0.097	0.268	0.076	0.034	0.13	0.015	0.023	0.031	0.024	0.082
DE0008R	PCB_180	precip	0.082	0.096	0.038	0.017	0.077	0.039	0.016	0.014	0.021	0.014	0.024	0.029	0.031
DE0009R	PCB_180	precip	0.031	0.045	0.033	0.012	0.056	0.087	0.036	0.028	0.054	0.058	0.047	0.093	0.04
FI0096G	PCB_180	precip+dry_dep	0.05	0.06	0.05	0.06	0.06	0.08	0.04	0.03	0.03	0.047	-	0.05	0.052
IS0091R	PCB_180	precip	0.016	0.027	0.006	0.018	0.012	0.012	0.005	0.003	0.002	0.003	0.005	0.002	0.008
NO0001R	PCB_180	precip	0.014	0.031	0.039	0.012	0.006	0.005	0.012	0.049	0.008	0.002	0.004	0.011	0.018
SE0012R	PCB_180	precip+dry_dep	0.08	0.04	0.01	0.76	0.03	0.14	0	0.02	0.22	0.02	0.029	0.05	0.103
SE0014R	PCB_180	precip+dry_dep	0.181	0.221	0.365	0.35	0.263	0.227	0.134	0.162	0.203	0.28	0.187	0.07	0.221
SE0014R	PCB_180	precip+dry_dep	0.181	0.221	0.365	0.35	0.263	0.227	0.134	0.162	0.203	0.28	0.187	0.07	0.221
CZ0003R	PCB_28	precip	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05

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DE0001R	PCB_28	precip	0.138	0.162	0.068	0.118	1.049	0.183	0.079	0.051	0.055	0.054	0.049	0.118	0.088
DE0003R	PCB_28	precip	0.066	0.145	0.127	0.054	0.077	0.136	0.073	0.275	0.069	0.089	0.158	0.169	0.116
DE0008R	PCB_28	precip	0.156	0.177	0.055	0.033	0.151	0.075	0.035	0.031	1.263	0.086	0.307	0.051	0.179
DE0009R	PCB_28	precip	0.067	0.088	0.047	0.052	0.161	0.123	0.179	0.061	0.125	0.186	0.097	0.177	0.104
FI0096G	PCB_28	precip+dry_dep	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	-	0.005	0.005
IS0091R	PCB_28	precip	0.01	0.012	0.015	0.022	0.047	0.047	0.021	0.014	0.006	0.012	0.009	0.009	0.013
NO0001R	PCB_28	precip	0.013	0.031	0.025	0.017	0.02	0.013	0.01	0.021	0.019	0.013	0.013	0.012	0.017
SE0012R	PCB_28	precip+dry_dep	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
SE0014R	PCB_28	precip+dry_dep	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
SE0014R	PCB_28	precip+dry_dep	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
IS0091R	PCB_31	precip	0.008	0.009	0.012	0.017	0.035	0.035	0.015	0.01	0.005	0.009	0.007	0.007	0.01
CZ0003R	PCB_52	precip	0.094	0.157	0.103	0.071	0.054	0.05	0.085	0.052	0.05	0.05	0.05	0.05	0.07
DE0001R	PCB_52	precip	0.048	0.068	0.073	0.056	0.371	0.065	0.036	0.01	0.02	0.019	0.018	0.043	0.036
DE0003R	PCB_52	precip	0.043	0.059	0.019	0.087	0.048	0.113	0.073	0.402	0.038	0.028	0.051	0.069	0.091
DE0008R	PCB_52	precip	0.07	0.081	0.027	0.012	0.052	0.026	0.018	0.016	0.706	0.016	0.14	0.045	0.089
DE0009R	PCB_52	precip	0.035	0.046	0.024	0.019	0.078	0.093	0.041	0.031	0.062	0.059	0.037	0.072	0.042
FI0096G	PCB_52	precip+dry_dep	0.1	0.12	0.21	0.15	0.11	0.08	0.1	0.1	0.09	0.096	-	0.2	0.124
IS0091R	PCB_52	precip	0.006	0.015	0.006	0.008	0.018	0.018	0.008	0.005	0.002	0.005	0.004	0.003	0.006
NO0001R	PCB_52	precip	0.015	0.04	0.032	0.015	0.019	0.013	0.029	0.029	0.022	0.011	0.019	0.013	0.022
SE0012R	PCB_52	precip+dry_dep	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
SE0014R	PCB_52	precip+dry_dep	0.005	0.009	0.033	0.04	0.223	0.066	0.046	0.025	0.049	0.07	0.051	0.07	0.058
SE0014R	PCB_52	precip+dry_dep	0.005	0.009	0.033	0.04	0.223	0.066	0.046	0.025	0.049	0.07	0.051	0.07	0.058
NO0001R	PCB_99	precip	0.009	0.018	0.008	0.006	0.007	0.007	0.031	0.091	0.016	0.003	0.004	0.005	0.021
BE0014R	pp_DDD	precip	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
BE0014R	pp_DDE	precip	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
BE0014R	pp_DDT	precip	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
CZ0003R	pp_DDD	precip	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CZ0003R	pp_DDE	precip	0.06	0.215	0.078	0.074	0.052	0.06	0.053	0.05	0.05	0.05	0.05	0.05	0.066
CZ0003R	pp_DDT	precip	0.08	0.05	0.05	0.074	0.05	0.05	0.053	0.05	0.05	0.05	0.088	0.05	0.058
DE0001R	op_DDD	precip	0.022	0.032	0.011	0.069	0.186	0.033	0.022	0.004	0.025	0.024	0.023	0.055	0.022
DE0001R	op_DDE	precip	0.197	0.032	0.011	0.055	0.152	0.027	0.022	0.006	0.02	0.019	0.018	0.044	0.034
DE0001R	op_DDT	precip	0.037	0.049	0.012	0.123	0.331	0.057	0.032	0.005	0.028	0.027	0.025	0.06	0.03
DE0001R	pp_DDD	precip	0.022	0.025	0.014	0.067	0.183	0.032	0.028	0.007	0.024	0.023	0.021	0.051	0.022
DE0001R	pp_DDE	precip	0.03	0.041	0.014	0.071	0.206	0.036	0.03	0.017	0.025	0.024	0.022	0.053	0.028
DE0001R	pp_DDT	precip	0.04	0.042	0.013	0.129	0.347	0.06	0.193	0.028	0.034	0.033	0.03	0.073	0.053
DE0003R	op_DDD	precip	0.01	0.021	0.01	0.004	0.013	0.008	0.007	0.004	0.008	0.009	0.024	0.019	0.01
DE0003R	op_DDE	precip	0.011	0.016	0.008	0.003	0.011	0.007	0.007	0.005	0.008	0.007	0.019	0.015	0.009
DE0003R	op_DDT	precip	0.011	0.021	0.015	0.016	0.039	0.033	0.012	0.015	0.01	0.01	0.025	0.021	0.018
DE0003R	pp_DDD	precip	0.02	0.02	0.005	0.004	0.012	0.008	0.012	0.01	0.005	0.009	0.022	0.018	0.011
DE0003R	pp_DDE	precip	0.067	0.312	0.019	0.056	0.034	0.032	0.025	0.057	0.019	0.009	0.023	0.019	0.047
DE0003R	pp_DDT	precip	0.032	0.03	0.044	0.082	0.075	0.037	0.038	0.047	0.026	0.012	0.031	0.026	0.042

Site	Comp	matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
DE0008R	op_DDD	precip	0.037	0.029	0.009	0.007	0.035	0.017	0.006	0.01	0.04	0.012	0.02	0.024	0.017
DE0008R	op_DDE	precip	0.037	0.028	0.007	0.006	0.028	0.014	0.006	0.01	0.031	0.009	0.016	0.019	0.015
DE0008R	op_DDT	precip	0.049	0.049	0.027	0.032	0.143	0.071	0.01	0.015	0.177	0.013	0.021	0.026	0.04
DE0008R	pp_DDD	precip	0.038	0.036	0.03	0.014	0.034	0.033	0.011	0.01	0.057	0.01	0.018	0.022	0.023
DE0008R	pp_DDE	precip	0.047	0.045	0.041	0.041	0.036	0.018	0.032	0.05	0.222	0.011	0.019	0.023	0.046
DE0008R	pp_DDT	precip	0.055	0.071	0.086	0.081	0.15	0.158	0.034	0.044	0.265	0.033	0.057	0.031	0.075
DE0009R	op_DDD	precip	0.015	0.022	0.018	0.008	0.038	0.014	0.025	0.01	0.018	0.007	0.012	0.03	0.015
DE0009R	op_DDE	precip	0.017	0.023	0.012	0.006	0.031	0.021	0.025	0.014	0.021	0.01	0.017	0.044	0.016
DE0009R	op_DDT	precip	0.057	0.075	0.015	0.015	0.07	0.019	0.04	0.017	0.035	0.017	0.031	0.065	0.03
DE0009R	pp_DDD	precip	0.074	0.061	0.029	0.029	0.037	0.016	0.034	0.031	0.033	0.013	0.012	0.025	0.031
DE0009R	pp_DDE	precip	0.092	0.091	0.02	0.036	0.097	0.085	0.056	0.06	0.063	0.077	0.032	0.055	0.057
DE0009R	pp_DDT	precip	0.293	0.32	0.129	0.127	0.274	0.174	0.132	0.141	0.112	0.069	0.132	0.075	0.147
IS0091R	op_DDT	precip	0.003	0.003	0.004	0.006	0.012	0.012	0.005	0.003	0.002	0.003	0.002	0.002	0.003
IS0091R	pp_DDD	precip	0.003	0.003	0.004	0.006	0.012	0.012	0.005	0.003	0.003	0.005	0.002	0.002	0.004
IS0091R	pp_DDE	precip	0.004	0.003	0.004	0.006	0.012	0.012	0.005	0.003	0.002	0.003	0.002	0.002	0.003
IS0091R	pp_DDT	precip	0.003	0.003	0.004	0.006	0.012	0.012	0.008	0.003	0.004	0.005	0.002	0.002	0.004
IS0091R	trans_CD	precip	0.003	0.003	0.004	0.006	0.012	0.012	0.005	0.003	0.002	0.003	0.002	0.002	0.003
IS0091R	trans_NO	precip	0.005	0.005	0.004	0.006	0.012	0.023	0.005	0.003	0.002	0.003	0.002	0.002	0.004
IS0091R	cis_CD	precip	0.005	0.003	0.004	0.006	0.012	0.012	0.005	0.003	0.002	0.003	0.002	0.002	0.003
BE0014R	precipitation_amount	precip	36	38	74	38	118	69	74	131	93	104	117	57	951
CZ0003R	precipitation_amount	precip	26	24	53	25	49	49	43	48	21	36	56	22	453
DE0001R	precipitation_amount	precip	58	45	81	24	5	36	66	199	75	89	98	31	810
DE0003R	precipitation_amount	precip	117	78	170	242	131	110	118	168	133	205	93	108	1674
DE0008R	precipitation_amount	precip	86	67	151	116	22	51	132	125	92	199	93	88	1222
DE0009R	precipitation_amount	precip	44	30	68	107	20	22	57	63	38	80	52	23	604
IS0091R	precipitation_amount	precip	77	68	52	36	17	17	39	59	131	66	85	89	734
NL0091R	precipitation_amount	precip	84	43	124	32	44	53	132	116	74	121	113	28	963
NO0001R	precipitation_amount	precip	195	113	200	130	25	120	159	206	165	171	128	86	1702
PL0005R	precipitation_amount	precip	43	38	62	39	57	40	13	83	31	65	46	36	552

Annex 8

Monthly mean values on data for POPs in air

Site	Comp	matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
DE0001R	alpha_HCH	air+aerosol	4.0	3.7	3.3	7.5	11.5	9.3	14.0	5.6	17.6	8.7	7.5	7.3	8.3
DE0009R	alpha_HCH	air+aerosol	5.3	5.6	5.3	5.9	17.5	9.6	14.5	4.5	15.7	8.3	7.6	7.3	8.9
FI0096G	alpha_HCH	air+aerosol	4.0	3.0	4.0	4.0	4.0	5.0	6.0	8.0	2.0	3.2	4.0	3.0	4.3
IS0091R	alpha_HCH	air+aerosol	5.2	5.7	6.2	6.1	5.5	5.1	3.3	3.8	4.5	7.1	5.7	5.2	5.3
NO0001R	alpha_HCH	air+aerosol	11.2	9.3	7.3	11.8	8.9	8.6	11.8	10.3	9.6	7.8	5.6	4.6	9.1
NO0042G	alpha_HCH	air+aerosol	6.6	8.6	9.1	9.2	8.5	7.5	7.9	11.2	11.1	11.0	9.1	8.3	9.0
SE0012R	alpha_HCH	air+aerosol	4.0	3.0	4.0	5.0	6.0	7.0	7.0	8.0	9.0	3.0	3.0	5.0	5.3
SE0014R	alpha_HCH	air+aerosol	3.4	2.5	3.0	4.0	4.7	5.0	4.4	4.2	5.3	4.3	3.5	2.5	3.9
IS0091R	beta_HCH	air+aerosol	0.4	0.4	0.1	0.3	0.7	0.9	1.1	1.0	0.6	0.4	0.2	0.1	0.5
DE0001R	gamma_HCH	air+aerosol	4.0	5.9	6.5	9.1	22.8	14.7	25.6	7.3	13.7	8.9	7.5	5.5	11.0
DE0009R	gamma_HCH	air+aerosol	11.7	12.8	7.7	12.4	18.7	12.2	21.8	6.4	12.9	13.3	8.2	6.6	12.1
FI0096G	gamma_HCH	air+aerosol	2.0	1.0	2.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.4
IS0091R	gamma_HCH	air+aerosol	1.6	1.7	8.6	7.5	9.6	8.6	6.9	5.7	4.5	2.1	2.1	1.9	5.1
NO0001R	gamma_HCH	air+aerosol	5.3	4.8	3.1	7.7	6.5	6.8	7.7	4.9	5.1	3.0	2.3	2.2	5.0
NO0042G	gamma_HCH	air+aerosol	1.3	1.6	2.1	1.9	1.5	1.1	1.2	1.4	1.6	1.5	1.4	1.5	1.5
SE0012R	gamma_HCH	air+aerosol	3.0	2.0	2.0	5.0	3.0	6.0	6.0	7.0	4.0	2.0	1.2	3.0	3.7
SE0014R	gamma_HCH	air+aerosol	2.5	1.9	2.3	3.3	4.0	3.6	5.0	4.9	3.9	3.0	2.5	1.5	3.2
CZ0003R	HCB	air+aerosol	51.5	44.4	40.4	83.5	84.2	52.2	66.5	82.6	115.4	77.7	62.0	38.6	66.6
IS0091R	HCB	air+aerosol	10.3	7.7	7.5	6.9	4.6	4.6	3.9	3.9	4.9	7.3	10.9	6.9	6.6
NO0001R	HCB	air+aerosol	111.0	113.3	88.1	138.7	69.9	64.7	68.2	74.5	78.7	81.9	76.6	69.7	85.5
NO0042G	HCB	air+aerosol	66.1	69.8	69.0	75.9	73.0	71.9	73.9	76.5	75.1	75.6	73.8	72.3	72.8
CZ0003R	acenaphthene	air+aerosol	0.536	0.315	0.201	0.13	0.058	0.225	0.06	0.062	0.138	0.264	0.334	0.716	0.259
ES0007R	acenaphthene	pm10	-	-	-	0.005	0.005	-	-	-	-	-	-	-	-
ES0008R	acenaphthene	pm10	-	0.029	0.029	0.017	0.017	0.018	-	0.005	0.005	0.005	0.005	0.005	0.013
ES0009R	acenaphthene	pm10	-	-	-	-	-	-	-	0.005	0.005	-	-	-	-
ES0010R	acenaphthene	pm10	0.025	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	acenaphthene	pm10	-	-	0.017	0.016	-	-	-	-	-	-	-	-	-
ES0012R	acenaphthene	pm10	-	0.025	-	-	-	-	-	-	-	-	-	-	-
ES0013R	acenaphthene	pm10	-	-	-	-	-	0.005	0.005	-	-	-	-	-	-
NO0001R	acenaphthene	air+aerosol	-	-	-	-	0.179	0.27	0.252	0.212	0.168	0.306	0.194	0.443	0.253
NO0042G	acenaphthene	air+aerosol	0.023	0.008	0.011	0.011	0.002	0.003	0.002	0.004	0.004	0.018	0.01	0.085	0.017
ES0007R	acenaphthylene	pm10	-	-	-	0.004	0.004	-	-	-	-	-	-	-	-
ES0008R	acenaphthylene	pm10	-	0.012	0.012	0.008	0.008	0.009	-	0.004	0.004	0.004	0.004	0.004	0.006
ES0009R	acenaphthylene	pm10	-	-	-	-	-	-	-	0.004	0.012	-	-	-	-
ES0010R	acenaphthylene	pm10	0.01	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	acenaphthylene	pm10	-	-	0.008	0.008	-	-	-	-	-	-	-	-	-
ES0012R	acenaphthylene	pm10	-	0.01	-	-	-	-	-	-	-	-	-	-	-
ES0013R	acenaphthylene	pm10	-	-	-	-	-	0.004	0.013	-	-	-	-	-	-

Site	Comp	matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
NO0001R	acenaphthylene	air+aerosol	-	-	-	-	0.009	0.012	0.013	0.029	0.042	0.053	0.091	0.098	0.038
NO0042G	acenaphthylene	air+aerosol	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.004	0.001	0.008	0.003
GB0014R	anthanthrene	air+aerosol	0.01	0.024	0.005	0.007	0	0.004	0.004	0.004	0.004	0.011	0.004	0.032	0.009
NO0001R	anthanthrene	air+aerosol	-	-	-	-	0.02	0.019	0.014	0.02	0.02	0.02	0.02	0.041	0.02
NO0042G	anthanthrene	air+aerosol	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001
CZ0003R	anthracene	air+aerosol	0.315	0.159	0.094	0.057	0.025	0.291	0.034	0.031	0.066	0.171	0.225	0.295	0.149
DE0001R	anthracene	air+aerosol	0.081	0.024	0.081	0.083	0.038	0.093	0.176	0.114	0.064	0.025	0.072	0.064	0.077
DE0003R	anthracene	air+aerosol	0.019	0.004	0.065	0.004	0.004	0.072	0.068	0.032	0.011	0.01	0.017	0.048	0.03
DE0008R	anthracene	air+aerosol	0.104	0.061	0.081	0.045	0.011	0.052	0.035	0.117	0.045	0.077	0.051	0.076	0.063
DE0009R	anthracene	air+aerosol	0.026	0.024	0.064	0.117	0.016	0.042	0.023	0.045	0.02	0.034	0.04	0.31	0.064
ES0007R	anthracene	pm10	-	-	-	0.001	0.002	-	-	-	-	-	-	-	-
ES0008R	anthracene	pm10	-	0.005	0.001	0.001	0.001	0.001	-	0.002	0.001	0.001	0.001	0.001	0.001
ES0009R	anthracene	pm10	-	-	-	-	-	-	-	0.001	0.002	-	-	-	-
ES0010R	anthracene	pm10	0.001	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	anthracene	pm10	-	-	0.001	0.001	-	-	-	-	-	-	-	-	-
ES0012R	anthracene	pm10	-	0.001	-	-	-	-	-	-	-	-	-	-	-
ES0013R	anthracene	pm10	-	-	-	-	-	0.001	0.003	-	-	-	-	-	-
FI0096G	anthracene	air+aerosol	0.005	0.002	0.002	0.006	0.001	0.003	0.004	0.005	0.005	0.004	0.002	0.008	0.004
NO0001R	anthracene	air+aerosol	-	-	-	-	0.338	0.028	0.017	0.014	0.018	0.022	0.027	0.05	0.034
NO0042G	anthracene	air+aerosol	0.003	0.004	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001
SE0012R	anthracene	air+aerosol	0.036	0.006	0.005	0.004	0.002	0.003	0.001	0.003	0.005	0.018	0.013	0.041	0.011
SE0014R	anthracene	air+aerosol	0.026	0.009	0.012	0.009	0.003	0.002	0.002	0.003	0.007	0.013	0.032	0.046	0.013
ES0007R	chrysene	pm10	-	-	-	0.002	0.002	-	-	-	-	-	-	-	-
ES0009R	chrysene	pm10	-	-	-	-	-	-	-	0.002	0.002	-	-	-	-
ES0010R	chrysene	pm10	0.007	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	chrysene	pm10	-	-	0.005	0.006	-	-	-	-	-	-	-	-	-
ES0012R	chrysene	pm10	-	0.007	-	-	-	-	-	-	-	-	-	-	-
GB0014R	chrysene	air+aerosol	0.17	0.41	0.2	0.19	0.11	0.13	0.042	0.032	0.041	0.064	0.18	0.45	0.167
GB0014R	coronene	air+aerosol	0.08	0.13	0.034	0.032	0.014	0.021	0.017	0.015	0.02	0.029	0.048	0.13	0.047
NO0001R	coronene	air+aerosol	-	-	-	-	0.02	0.019	0.014	0.02	0.02	0.02	0.023	0.071	0.023
NO0042G	coronene	air+aerosol	0.003	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.004	0.001
IS0091R	dieldrin	air+aerosol	0.764	0.781	0.7	0.736	1.157	0.946	1.051	1.075	1.012	0.729	0.78	0.729	0.872
CZ0003R	fluoranthene	air+aerosol	4.09	2.18	1.171	1.054	0.534	2.247	0.429	0.326	1.048	2.022	3.186	3.249	1.824
DE0001R	fluoranthene	air+aerosol	1.826	0.44	0.512	0.432	0.826	1.479	1.396	0.476	0.681	0.292	0.887	2.208	0.958
DE0003R	fluoranthene	air+aerosol	0.54	0.339	0.32	0.194	0.296	0.294	0.231	0.233	0.234	0.266	0.445	1.278	0.391
DE0008R	fluoranthene	air+aerosol	1.441	0.899	0.665	0.551	0.351	0.263	0.222	0.255	0.656	0.591	0.869	2.501	0.773
DE0009R	fluoranthene	air+aerosol	1.202	0.76	0.791	0.513	0.222	0.216	0.237	0.204	0.194	0.692	1.419	4.91	0.952
FI0096G	fluoranthene	air+aerosol	0.26	0.07	0.1	0.05	0.02	0.05	0.08	0.05	0.05	0.044	0.06	0.22	0.087
NO0001R	fluoranthene	air+aerosol	-	-	-	-	0.076	0.129	0.262	0.118	0.125	0.152	0.145	0.478	0.195
NO0042G	fluoranthene	air+aerosol	0.081	0.055	0.021	0.01	0.008	0.007	0.007	0.005	0.004	0.005	0.011	0.049	0.021

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SE0012R	fluoranthene	air+aerosol	1.4	0.31	0.29	0.23	0.11	0.16	0.08	0.15	0.14	0.34	0.324	1.17	0.388
SE0014R	fluoranthene	air+aerosol	0.723	0.292	0.285	0.229	0.086	0.051	0.058	0.071	0.135	0.214	0.475	0.711	0.273
CZ0003R	fluorene	air+aerosol	6.646	2.819	1.447	1.351	0.654	2.52	0.565	0.49	1.563	2.935	3.51	4.575	2.486
ES0007R	fluorene	pm10	-	-	-	0.001	0.001	-	-	-	-	-	-	-	-
ES0008R	fluorene	pm10	-	0.001	0.001	0.001	0.001	0.001	-	0.001	0.001	0.001	0.001	0.001	0.001
ES0009R	fluorene	pm10	-	-	-	-	-	-	-	0.001	0.001	-	-	-	-
ES0010R	fluorene	pm10	0.001	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	fluorene	pm10	-	-	0.001	0.001	-	-	-	-	-	-	-	-	-
ES0012R	fluorene	pm10	-	0.001	-	-	-	-	-	-	-	-	-	-	-
ES0013R	fluorene	pm10	-	-	-	-	-	0.001	0.002	-	-	-	-	-	-
NO0001R	fluorene	air+aerosol	-	-	-	-	0.481	0.758	0.585	0.531	0.489	0.573	0.581	2.287	0.734
NO0042G	fluorene	air+aerosol	0.95	0.464	0.223	0.047	0.017	0.021	0.018	0.018	0.024	0.845	0.215	2.297	0.516
GB0014R	perylene	air+aerosol	0.035	0.045	0.023	0.016	0.012	0.016	0.007	0.008	0.008	0.017	0.023	0.047	0.021
NO0001R	perylene	air+aerosol	-	-	-	-	0.01	0.01	0.01	0.01	0.01	0.01	0.008	0.027	0.011
NO0042G	perylene	air+aerosol	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001
CZ0003R	phenanthrene	air+aerosol	12.204	5.664	3.192	3.322	1.486	9.034	1.675	1.427	3.191	6.654	8.562	9.146	5.553
DE0001R	phenanthrene	air+aerosol	3.316	1.26	1.609	1.549	3.753	4.147	4.061	2.845	2.735	0.913	3.641	6.459	3.034
DE0003R	phenanthrene	air+aerosol	2.563	1.301	1.532	0.733	1.22	1.889	1.57	1.639	1.153	1.163	1.609	3.263	1.641
DE0008R	phenanthrene	air+aerosol	5.594	3.874	2.642	2.459	1.461	1.409	1.143	1.488	2.336	3.233	4.793	8.758	3.268
DE0009R	phenanthrene	air+aerosol	3.617	2.058	2.646	1.731	0.978	1.198	1.097	1.006	0.906	3.081	5.99	13.106	3.131
ES0007R	phenanthrene	pm10	-	-	-	0.001	0.007	-	-	-	-	-	-	-	-
ES0008R	phenanthrene	pm10	-	0.015	0.001	0.001	0.001	0.008	-	0.03	0.01	0.012	0.001	0.001	0.008
ES0009R	phenanthrene	pm10	-	-	-	-	-	-	-	0.001	0.003	-	-	-	-
ES0010R	phenanthrene	pm10	0.001	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	phenanthrene	pm10	-	-	0.002	0.002	-	-	-	-	-	-	-	-	-
ES0012R	phenanthrene	pm10	-	0.001	-	-	-	-	-	-	-	-	-	-	-
ES0013R	phenanthrene	pm10	-	-	-	-	-	0.001	0.017	-	-	-	-	-	-
FI0096G	phenanthrene	air+aerosol	0.96	0.23	0.43	0.2	0.1	0.25	0.57	0.29	0.18	0.192	0.22	0.71	0.362
NO0001R	phenanthrene	air+aerosol	-	-	-	-	0.537	0.945	0.819	0.658	0.58	0.677	0.558	1.347	0.777
NO0042G	phenanthrene	air+aerosol	0.18	0.089	0.053	0.036	0.019	0.028	0.029	0.025	0.019	0.023	0.028	0.091	0.05
SE0012R	phenanthrene	air+aerosol	2	0.98	1.1	0.58	0.29	0.53	0.32	0.49	0.55	0.84	0.863	3.1	0.967
SE0014R	phenanthrene	air+aerosol	1.559	0.688	0.691	0.604	0.351	0.217	0.279	0.287	0.47	0.609	1.227	1.868	0.727
CZ0003R	pyrene	air+aerosol	2.687	1.518	0.79	0.674	0.335	1.532	0.216	0.182	0.641	1.255	2.055	1.867	1.161
DE0001R	pyrene	air+aerosol	1.081	0.224	0.324	0.251	0.311	0.951	0.378	0.222	0.365	0.194	0.475	1.334	0.511
DE0003R	pyrene	air+aerosol	0.359	0.193	0.165	0.121	0.138	0.139	0.141	0.127	0.149	0.147	0.246	0.827	0.23
DE0008R	pyrene	air+aerosol	0.881	0.504	0.408	0.317	0.167	0.137	0.11	0.185	0.43	0.371	0.5	1.542	0.464
DE0009R	pyrene	air+aerosol	0.647	0.439	0.536	0.321	0.131	0.103	0.137	0.121	0.162	0.454	0.881	3.411	0.616
ES0007R	pyrene	pm10	-	-	-	0.006	0.014	-	-	-	-	-	-	-	-
ES0008R	pyrene	pm10	-	0.033	0.006	0.004	0.008	0.027	-	0.173	0.048	0.025	0.002	0.003	0.033
ES0009R	pyrene	pm10	-	-	-	-	-	-	-	0.001	0.003	-	-	-	-

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ES0010R	pyrene	pm10	0.001	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	pyrene	pm10	-	-	0.002	0.003	-	-	-	-	-	-	-	-	-
ES0012R	pyrene	pm10	-	0.001	-	-	-	-	-	-	-	-	-	-	-
ES0013R	pyrene	pm10	-	-	-	-	-	0.001	0.003	-	-	-	-	-	-
FI0096G	pyrene	air+aerosol	0.09	0.05	0.04	0.03	0.01	0.02	0.05	0.03	0.04	0.034	0.03	0.1	0.043
NO0001R	pyrene	air+aerosol	-	-	-	-	0.046	0.074	0.156	0.072	0.084	0.105	0.098	0.33	0.124
NO0042G	pyrene	air+aerosol	0.032	0.029	0.013	0.008	0.007	0.007	0.006	0.004	0.003	0.002	0.006	0.028	0.012
SE0012R	pyrene	air+aerosol	0.89	0.15	0.14	0.12	0.06	0.08	0.03	0.08	0.09	0.25	0.242	0.7	0.233
SE0014R	pyrene	air+aerosol	0.441	0.186	0.179	0.149	0.052	0.031	0.031	0.04	0.092	0.148	0.319	0.47	0.175
NO0001R	retene	air+aerosol	-	-	-	-	0.015	0.081	0.055	0.045	0.072	0.104	0.152	0.108	0.075
NO0042G	retene	air+aerosol	0.005	0.002	0.003	0.005	0.007	0.007	0.006	0.003	0.003	0.003	0.003	0.007	0.004
CZ0003R	benz_a_anthracene	air+aerosol	0.778	0.425	0.192	0.107	0.047	0.056	0.01	0.009	0.1	0.159	0.39	0.44	0.232
DE0001R	benz_a_anthracene	air+aerosol	0.529	0.031	0.028	0.023	0.013	0.129	0.013	0.011	0.027	0.014	0.084	0.456	0.114
DE0003R	benz_a_anthracene	air+aerosol	0.067	0.036	0.017	0.018	0.013	0.007	0.011	0.006	0.026	0.008	0.024	0.218	0.038
DE0008R	benz_a_anthracene	air+aerosol	0.303	0.094	0.037	0.056	0.024	0.019	0.007	0.04	0.074	0.062	0.109	0.396	0.102
DE0009R	benz_a_anthracene	air+aerosol	0.092	0.095	0.058	0.019	0.024	0.012	0.007	0.014	0.026	0.125	0.229	1.594	0.193
ES0008R	benz_a_anthracene	pm10	-	0.037	0.011	0.008	0.011	0.027	-	0.159	0.058	0.027	0.002	0.002	0.035
ES0009R	benz_a_anthracene	pm10	-	-	-	-	-	-	-	0.002	0.002	-	-	-	-
ES0012R	benz_a_anthracene	pm10	-	0.008	-	-	-	-	-	-	-	-	-	-	-
ES0013R	benz_a_anthracene	pm10	-	-	-	-	-	0.002	0.002	-	-	-	-	-	-
FI0096G	benz_a_anthracene	air+aerosol	0.13	0.004	0.006	-	0.001	0.001	0.002	0.002	0.004	0.003	0.002	0.24	0.036
GB0014R	benz_a_anthracene	air+aerosol	0.097	0.19	0.1	0.097	0.054	0.064	0.014	0.012	0.015	0.03	0.079	0.24	0.082
NO0001R	benz_a_anthracene	air+aerosol	-	-	-	-	0.01	0.015	0.013	0.014	0.014	0.022	0.02	0.142	0.027
NO0042G	benz_a_anthracene	air+aerosol	0.003	0.008	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.006	0.002
PL0005R	benz_a_anthracene	pm10	1.721	0.861	0.472	0.329	0.026	0.022	0.017	0.023	0.062	0.338	0.615	0.949	0.457
SE0012R	benz_a_anthracene	air+aerosol	0.31	0.01	0.013	0.023	0.01	0.012	0.004	0.007	0.011	0.021	0.018	0.14	0.047
SE0014R	benz_a_anthracene	air+aerosol	0.149	0.085	0.085	0.067	0.065	0.012	0.005	0.006	0.014	0.029	0.065	0.094	0.056
SI0008R	benz_a_anthracene	pm10	0.326	0.205	0.127	0.109	0.032	0.011	0.031	0.032	0.079	0.073	0.161	0.396	0.133
ES0007R	benzo_a_anthracene	pm10	-	-	-	0.002	0.007	-	-	-	-	-	-	-	-
ES0010R	benzo_a_anthracene	pm10	0.007	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	benzo_a_anthracene	pm10	-	-	0.006	0.007	-	-	-	-	-	-	-	-	-
NO0001R	benzo_a_fluoranthene	air+aerosol	-	-	-	-	0.01	0.01	0.01	0.01	0.009	0.01	0.01	0.06	0.015
NO0042G	benzo_a_fluoranthene	air+aerosol	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001
NO0001R	benzo_a_fluorene	air+aerosol	-	-	-	-	0.01	0.05	0.016	0.012	0.011	0.017	0.015	0.083	0.025
NO0042G	benzo_a_fluorene	air+aerosol	0.002	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.004	0.001
CZ0003R	benzo_a_pyrene	air+aerosol	0.773	0.439	0.181	0.139	0.061	0.002	0.016	0.009	0.113	0.235	0.564	0.617	0.27
DE0001R	benzo_a_pyrene	air+aerosol	0.494	0.024	0.03	0.025	0.022	0.143	0.034	0.008	0.032	0.005	0.09	0.448	0.114
DE0003R	benzo_a_pyrene	air+aerosol	0.1	0.057	0.04	0.029	0.027	0.012	0.017	0.011	0.041	0.011	0.033	0.224	0.05

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DE0008R	benzo_a_pyrene	air+aerosol	0.364	0.143	0.051	0.074	0.038	0.023	0.03	0.024	0.083	0.064	0.142	0.365	0.117
DE0009R	benzo_a_pyrene	air+aerosol	0.076	0.114	0.079	0.019	0.032	0.019	0.018	0.014	0.029	0.141	0.289	1.504	0.196
EE0009R	benzo_a_pyrene	air+aerosol	0.665	0.412	0.102	0.095	0.028	0.008	0.003	0.013	0.057	0.034	0.303	0.327	0.17
ES0007R	benzo_a_pyrene	pm10	-	-	-	0.003	0.016	-	-	-	-	-	-	-	-
ES0008R	benzo_a_pyrene	pm10	-	0.066	0.015	0.011	0.02	0.054	-	0.891	0.305	0.074	0.003	0.003	0.148
ES0009R	benzo_a_pyrene	pm10	-	-	-	-	-	-	-	0.003	0.003	-	-	-	-
ES0010R	benzo_a_pyrene	pm10	0.009	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	benzo_a_pyrene	pm10	-	-	0.009	0.009	-	-	-	-	-	-	-	-	-
ES0012R	benzo_a_pyrene	pm10	-	0.009	-	-	-	-	-	-	-	-	-	-	-
ES0013R	benzo_a_pyrene	pm10	-	-	-	-	-	0.003	0.003	-	-	-	-	-	-
FI0096G	benzo_a_pyrene	air+aerosol	0.02	0.003	0.004	0.006	0	0.001	0.002	0.001	0.003	0.001	0.001	0.013	0.005
GB0014R	benzo_a_pyrene	air+aerosol	0.29	0.54	0.14	0.13	0.072	0.092	0.026	0.021	0.026	0.049	0.13	0.27	0.147
LV0010R	benzo_a_pyrene	aerosol	0.005	0.005	0.005	0.02	0.03	0.03	-	0.005	0.04	0.12	0.26	0.64	0.106
LV0010R	benzo_a_pyrene	air+aerosol	0.01	0.005	0.01	0.021	0.03	0.026	-	0.011	0.044	0.122	0.256	0.643	0.108
LV0016R	benzo_a_pyrene	aerosol	0.181	0.165	0.049	0.06	0.02	0.142	0.012	0.015	0.058	0.088	0.139	0.215	0.095
LV0016R	benzo_a_pyrene	air+aerosol	0.181	0.165	0.049	0.06	0.02	0.142	0.012	0.015	0.058	0.088	0.139	0.215	0.095
NO0001R	benzo_a_pyrene	air+aerosol	-	-	-	-	0.01	0.012	0.011	0.016	0.013	0.018	0.021	0.17	0.028
NO0042G	benzo_a_pyrene	aerosol	0.004	0.004	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.006	0.002
PL0005R	benzo_a_pyrene	pm10	2.093	1.101	0.501	0.303	0.059	0.05	0.038	0.058	0.109	0.597	0.858	1.114	0.583
SE0012R	benzo_a_pyrene	air+aerosol	0.33	0.012	0.026	0.036	0.017	0.013	0.005	0.009	0.021	0.015	0.024	0.2	0.058
SE0014R	benzo_a_pyrene	air+aerosol	0.104	0.031	0.035	0.028	0.008	0.003	0.002	0.004	0.015	0.038	0.072	0.16	0.041
SI0008R	benzo_a_pyrene	pm10	0.579	0.399	0.251	0.206	0.032	0.02	0.013	0.019	0.145	0.135	0.357	0.571	0.229
CZ0003R	benzo_b_fluoranthene	air+aerosol	1.278	0.505	0.288	0.259	0.109	0.225	0.032	0.02	0.218	0.33	0.879	1.157	0.454
ES0007R	benzo_b_fluoranthene	pm10	-	-	-	0.004	0.009	-	-	-	-	-	-	-	-
ES0008R	benzo_b_fluoranthene	pm10	-	0.059	0.018	0.012	0.017	0.047	-	0.04	0.094	0.053	0.005	0.005	0.035
ES0009R	benzo_b_fluoranthene	pm10	-	-	-	-	-	-	-	0.004	0.004	-	-	-	-
ES0010R	benzo_b_fluoranthene	pm10	0.011	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	benzo_b_fluoranthene	pm10	-	-	0.009	0.008	-	-	-	-	-	-	-	-	-
ES0012R	benzo_b_fluoranthene	pm10	-	0.011	-	-	-	-	-	-	-	-	-	-	-
ES0013R	benzo_b_fluoranthene	pm10	-	-	-	-	-	0.004	0.004	-	-	-	-	-	-
FI0096G	benzo_b_fluoranthene	air+aerosol	0.027	0.009	0.013	0.008	0.001	0.003	0.006	0.005	0.011	0.008	0.005	0.029	0.01
PL0005R	benzo_b_fluoranthene	pm10	2.868	1.4	1.205	0.652	0.105	0.077	0.061	0.092	0.184	0.833	1.133	1.726	0.869
SE0012R	benzo_b_fluoranthene	air+aerosol	0.66	0.037	0.059	0.065	0.034	0.027	0.012	0.02	0.04	0.069	0.07	0.35	0.118
SE0014R	benzo_b_fluoranthene	air+aerosol	0.18	0.072	0.065	0.054	0.019	0.008	0.006	0.01	0.032	0.058	0.119	0.223	0.069
NO0001R	benzo_b_fluorene	air+aerosol	-	-	-	-	0.013	0.014	0.01	0.01	0.01	0.011	0.01	0.035	0.013
NO0042G	benzo_b_fluorene	air+aerosol	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001
DE0001R	benzo_bjk_fluoranthenes	air+aerosol	1.809	0.325	0.206	0.146	0.084	0.411	0.044	0.039	0.142	0.045	0.406	1.747	0.453
DE0003R	benzo_bjk_fluoranthenes	air+aerosol	0.366	0.252	0.124	0.109	0.082	0.037	0.06	0.047	0.149	0.07	0.15	0.791	0.187
DE0008R	benzo_bjk_fluoranthenes	air+aerosol	1.165	0.566	0.269	0.29	0.111	0.071	0.034	0.093	0.384	0.382	0.545	1.348	0.439
DE0009R	benzo_bjk_fluoranthenes	air+aerosol	0.557	0.494	0.359	0.149	0.12	0.051	0.051	0.076	0.123	0.694	0.973	4.44	0.679
GB0014R	benzo_bjk_fluoranthenes	air+aerosol	0.53	0.84	0.26	0.22	0.11	0.16	0.097	0.091	0.11	0.17	0.4	0.79	0.313

Site	Comp	matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
NO0001R	benzo_bjk_fluoranthenes	air+aerosol	-	-	-	-	0.023	0.058	0.039	0.06	0.048	0.083	0.073	0.467	0.092
NO0042G	benzo_bjk_fluoranthenes	air+aerosol	0.015	0.021	0.004	0.002	0.009	0.001	0.001	0.001	0.001	0.001	0.005	0.026	0.007
GB0014R	benzo_e_pyrene	air+aerosol	0.28	0.42	0.14	0.12	0.059	0.087	0.001	0.044	0.05	0.088	0.22	0.33	0.152
NO0001R	benzo_e_pyrene	air+aerosol	-	-	-	-	0.02	0.029	0.023	0.042	0.024	0.035	0.03	0.174	0.043
NO0042G	benzo_e_pyrene	air+aerosol	0.01	0.01	0.004	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	0.009	0.003
NO0001R	benzo_ghi_fluoranthene	air+aerosol	-	-	-	-	0.01	0.012	0.01	0.01	0.011	0.015	0.011	0.053	0.015
NO0042G	benzo_ghi_fluoranthene	air+aerosol	0.006	0.006	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.002
DE0001R	benzo_ghi_perylene	air+aerosol	0.605	0.106	0.08	0.062	0.039	0.191	0.023	0.017	0.061	0.019	0.178	0.577	0.164
DE0003R	benzo_ghi_perylene	air+aerosol	0.147	0.094	0.059	0.053	0.034	0.018	0.029	0.018	0.071	0.033	0.074	0.297	0.077
DE0008R	benzo_ghi_perylene	air+aerosol	0.483	0.251	0.115	0.117	0.049	0.03	0.022	0.041	0.156	0.161	0.212	0.457	0.175
DE0009R	benzo_ghi_perylene	air+aerosol	0.247	0.21	0.15	0.068	0.051	0.026	0.025	0.035	0.063	0.269	0.386	1.439	0.249
ES0007R	benzo_ghi_perylene	pm10	-	-	-	0.004	0.021	-	-	-	-	-	-	-	-
ES0008R	benzo_ghi_perylene	pm10	-	0.069	0.018	0.013	0.02	0.047	-	0.354	0.135	0.037	0.004	0.004	0.07
ES0009R	benzo_ghi_perylene	pm10	-	-	-	-	-	-	-	0.004	0.004	-	-	-	-
ES0010R	benzo_ghi_perylene	pm10	0.012	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	benzo_ghi_perylene	pm10	-	-	0.011	0.01	-	-	-	-	-	-	-	-	-
ES0012R	benzo_ghi_perylene	pm10	-	0.012	-	-	-	-	-	-	-	-	-	-	-
ES0013R	benzo_ghi_perylene	pm10	-	-	-	-	-	0.004	0.004	-	-	-	-	-	-
FI0096G	benzo_ghi_perylene	air+aerosol	0.018	0.005	0.008	0.005	0.001	0.002	0.003	0.002	0.006	0.003	0.002	0.02	0.006
GB0014R	benzo_ghi_perylene	air+aerosol	0.22	0.32	0.11	0.093	0.05	0.069	0.044	0.043	0.044	0.079	0.2	0.31	0.131
NO0001R	benzo_ghi_perylene	air+aerosol	-	-	-	-	0.02	0.024	0.017	0.028	0.022	0.032	0.033	0.158	0.036
NO0042G	benzo_ghi_perylene	air+aerosol	0.009	0.009	0.004	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	0.008	0.003
SE0012R	benzo_ghi_perylene	air+aerosol	0.45	0.023	0.043	0.049	0.02	0.018	0.009	0.014	0.033	0.045	0.046	0.25	0.082
SE0014R	benzo_ghi_perylene	air+aerosol	0.133	0.047	0.045	0.04	0.013	0.004	0.004	0.006	0.02	0.041	0.087	0.166	0.05
CZ0003R	benzo_k_fluoranthene	air+aerosol	0.551	0.309	0.136	0.119	0.061	0.067	0.016	0.011	0.099	0.175	0.299	0.571	0.208
ES0007R	benzo_k_fluoranthene	pm10	-	-	-	0.005	0.016	-	-	-	-	-	-	-	-
ES0008R	benzo_k_fluoranthene	pm10	-	0.056	0.012	0.008	0.017	0.048	-	0.337	0.131	0.055	0.005	0.007	0.069
ES0009R	benzo_k_fluoranthene	pm10	-	-	-	-	-	-	-	0.002	0.002	-	-	-	-
ES0010R	benzo_k_fluoranthene	pm10	0.005	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	benzo_k_fluoranthene	pm10	-	-	0.005	0.005	-	-	-	-	-	-	-	-	-
ES0012R	benzo_k_fluoranthene	pm10	-	0.005	-	-	-	-	-	-	-	-	-	-	-
ES0013R	benzo_k_fluoranthene	pm10	-	-	-	-	-	0.002	0.002	-	-	-	-	-	-
FI0096G	benzo_k_fluoranthene	air+aerosol	0.01	0.004	0.005	0.003	0	0.001	0.002	0.002	0.004	0.003	0.002	0.011	0.004
GB0014R	benzo_k_fluoranthene	air+aerosol	0.11	0.17	0.059	0.046	0.026	0.04	0.027	0.022	0.026	0.038	0.12	0.17	0.071
PL0005R	benzo_k_fluoranthene	pm10	2.285	1.527	0.355	0.246	0.043	0.033	0.041	0.044	0.086	0.343	0.47	0.705	0.524
SE0012R	benzo_k_fluoranthene	air+aerosol	0.26	0.012	0.02	0.026	0.013	0.011	0.004	0.008	0.015	0.023	0.023	0.13	0.045
SE0014R	benzo_k_fluoranthene	air+aerosol	0.078	0.027	0.027	0.022	0.007	0.003	0.002	0.004	0.013	0.026	0.053	0.097	0.029
NO0001R	biphenyl	air+aerosol	-	-	-	-	0.174	0.263	0.135	0.158	0.17	0.35	0.565	1.839	0.373
NO0042G	biphenyl	air+aerosol	1.642	1.096	0.8	0.21	0.03	0.026	0.02	0.015	0.034	15.356	0.539	9.447	3.7

Site	Comp	matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
IS0091R	cis_CD	air+aerosol	0.366	0.359	0.398	0.417	0.434	0.425	0.44	0.406	0.426	0.339	0.379	0.387	0.398
NO0042G	cis_CD	air+aerosol	0.533	0.642	0.507	0.55	0.344	0.106	0.34	0.319	0.356	0.238	0.402	0.476	0.401
NO0042G	cis_NO	air+aerosol	0.07	0.112	0.074	0.039	0.051	0.057	0.067	0.079	0.069	0.077	0.024	0.021	0.061
DE0001R	chrysene_triphenylene	air+aerosol	0.948	0.187	0.126	0.103	0.051	0.219	0.043	0.031	0.078	0.044	0.209	0.855	0.242
DE0003R	chrysene_triphenylene	air+aerosol	0.196	0.116	0.062	0.048	0.046	0.022	0.042	0.028	0.018	0.036	0.067	0.435	0.093
DE0008R	chrysene_triphenylene	air+aerosol	0.567	0.269	0.125	0.168	0.063	0.038	0.023	0.059	0.252	0.171	0.268	0.786	0.233
DE0009R	chrysene_triphenylene	air+aerosol	0.309	0.292	0.224	0.097	0.063	0.022	0.026	0.007	0.07	0.274	0.48	2.218	0.342
FI0096G	chrysene_triphenylene	air+aerosol	0.099	0.016	0.052	-	0.009	0.005	0.011	0.009	0.018	0.024	0.01	0.16	0.038
NO0001R	chrysene_triphenylene	air+aerosol	-	-	-	-	0.037	0.066	0.035	0.042	0.033	0.047	0.029	0.173	0.053
NO0042G	chrysene_triphenylene	air+aerosol	0.009	0.01	0.004	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.003	0.015	0.004
SE0012R	chrysene_triphenylene	air+aerosol	0.55	0.04	0.054	0.055	0.03	0.027	0.012	0.022	0.039	0.072	0.072	0.33	0.107
SE0014R	chrysene_triphenylene	air+aerosol	0.206	0.088	0.088	0.076	0.046	0.027	0.01	0.013	0.034	0.069	0.134	0.234	0.084
GB0014R	cyclopenta_cd_pyrene	air+aerosol	0.033	0.074	0.037	0.031	0.013	0.016	0.005	0.005	0.008	0.018	0.018	0.079	0.028
NO0001R	cyclopenta_cd_pyrene	air+aerosol	-	-	-	-	0.01	0.013	0.01	0.01	0.01	0.01	0.01	0.056	0.015
NO0042G	cyclopenta_cd_pyrene	air+aerosol	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	0.001
NO0001R	dibenzo_ac_ah_anthracenes	air+aerosol	-	-	-	-	0.02	0.019	0.014	0.02	0.02	0.02	0.02	0.034	0.019
NO0042G	dibenzo_ac_ah_anthracenes	air+aerosol	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001
NO0001R	dibenzo_ae_pyrene	air+aerosol	-	-	-	-	0.02	0.019	0.014	0.02	0.02	0.02	0.02	0.022	0.018
NO0042G	dibenzo_ae_pyrene	air+aerosol	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
DE0001R	dibenzo_ah_anthracene	air+aerosol	0.105	0.016	0.013	0.01	0.005	0.026	0.002	0.003	0.008	0.002	0.031	0.109	0.028
DE0003R	dibenzo_ah_anthracene	air+aerosol	0.02	0.011	0.009	0.008	0.004	0.002	0.002	0.002	0.008	0.004	0.009	0.049	0.011
DE0008R	dibenzo_ah_anthracene	air+aerosol	0.078	0.034	0.017	0.019	0.007	0.005	0.003	0.006	0.025	0.023	0.034	0.086	0.028
DE0009R	dibenzo_ah_anthracene	air+aerosol	0.032	0.034	0.025	0.008	0.007	0.004	0.004	0.006	0.008	0.047	0.071	0.299	0.046
ES0007R	dibenzo_ah_anthracene	pm10	-	-	-	0.004	0.004	-	-	-	-	-	-	-	-
ES0008R	dibenzo_ah_anthracene	pm10	-	0.019	0.016	0.009	0.01	0.012	-	0.079	0.037	0.014	0.004	0.004	0.02
ES0009R	dibenzo_ah_anthracene	pm10	-	-	-	-	-	-	-	0.004	0.004	-	-	-	-
ES0010R	dibenzo_ah_anthracene	pm10	0.013	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	dibenzo_ah_anthracene	pm10	-	-	0.008	0.008	-	-	-	-	-	-	-	-	-
ES0012R	dibenzo_ah_anthracene	pm10	-	0.013	-	-	-	-	-	-	-	-	-	-	-
ES0013R	dibenzo_ah_anthracene	pm10	-	-	-	-	-	0.004	0.004	-	-	-	-	-	-
GB0014R	dibenzo_ah_anthracene	air+aerosol	0.044	0.064	0.02	0.016	0.008	0.011	0.008	0.008	0.008	0.015	0.039	0.091	0.028
PL0005R	dibenzo_ah_anthracene	pm10	0.152	0.094	0.032	0.004	0.052	0.028	0.027	0.037	0.069	0.236	0.39	0.553	0.143
SI0008R	dibenzo_ah_anthracene	pm10	0.147	0.118	0.04	0.016	0.009	0.009	0.009	0.009	0.03	0.009	0.091	0.153	0.054
NO0001R	dibenzo_ah_pyrene	air+aerosol	-	-	-	-	0.02	0.019	0.014	0.02	0.02	0.02	0.02	0.02	0.018
NO0042G	dibenzo_ah_pyrene	air+aerosol	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	0.001	0.001
GB0014R	dibenzo_ai_pyrene	air+aerosol	0	0	0	0	0	0	0	0	0	0	0	0.002	0
NO0001R	dibenzo_ai_pyrene	air+aerosol	-	-	-	-	0.02	0.019	0.014	0.02	0.02	0.02	0.02	0.021	0.018
NO0042G	dibenzo_ai_pyrene	air+aerosol	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

Site	Comp	matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
NO0001R	dibenzofuran	air+aerosol	-	-	-	-	0.532	0.815	0.635	0.567	0.7	0.732	0.913	3.475	0.942
NO0042G	dibenzofuran	air+aerosol	2.032	1.523	1.245	0.384	0.059	0.038	0.03	0.03	0.066	2.804	0.627	5.757	1.479
NO0001R	dibenzothiophene	air+aerosol	-	-	-	-	0.062	0.057	0.07	0.048	0.041	0.051	0.024	0.051	0.053
NO0042G	dibenzothiophene	air+aerosol	0.022	0.021	0.014	0.005	0.002	0.002	0.002	0.002	0.002	0.003	0.009	0.025	0.009
DE0001R	inden_123cd_pyrene	air+aerosol	0.704	0.114	0.09	0.059	0.042	0.174	0.02	0.018	0.067	0.018	0.194	0.657	0.181
DE0003R	inden_123cd_pyrene	air+aerosol	0.151	0.106	0.058	0.054	0.039	0.013	0.03	0.02	0.082	0.033	0.075	0.339	0.084
DE0008R	inden_123cd_pyrene	air+aerosol	0.525	0.245	0.119	0.127	0.058	0.03	0.019	0.045	0.159	0.172	0.247	0.548	0.191
DE0009R	inden_123cd_pyrene	air+aerosol	0.232	0.231	0.158	0.063	0.058	0.022	0.024	0.041	0.066	0.293	0.467	1.677	0.279
ES0007R	inden_123cd_pyrene	pm10	-	-	-	0.004	0.015	-	-	-	-	-	-	-	-
ES0008R	inden_123cd_pyrene	pm10	-	0.069	0.019	0.012	0.018	0.042	-	0.26	0.069	0.03	0.004	0.004	0.052
ES0009R	inden_123cd_pyrene	pm10	-	-	-	-	-	-	-	0.004	0.004	-	-	-	-
ES0010R	inden_123cd_pyrene	pm10	0.014	-	-	-	-	-	-	-	-	-	-	-	-
ES0011R	inden_123cd_pyrene	pm10	-	-	0.011	0.009	-	-	-	-	-	-	-	-	-
ES0012R	inden_123cd_pyrene	pm10	-	0.014	-	-	-	-	-	-	-	-	-	-	-
ES0013R	inden_123cd_pyrene	pm10	-	-	-	-	-	0.004	0.004	-	-	-	-	-	-
FI0096G	inden_123cd_pyrene	air+aerosol	0.021	0.006	0.011	0.009	0.001	0.002	0.004	0.003	0.006	0.004	0.002	0.027	0.008
GB0014R	inden_123cd_pyrene	air+aerosol	0.22	0.34	0.11	0.097	0.05	0.073	0.053	0.054	0.055	0.093	0.19	0.37	0.141
NO0001R	inden_123cd_pyrene	air+aerosol	-	-	-	-	0.02	0.024	0.014	0.023	0.022	0.034	0.036	0.207	0.04
NO0042G	inden_123cd_pyrene	air+aerosol	0.009	0.01	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.009	0.003
PL0005R	inden_123cd_pyrene	pm10	0.515	0.287	0.2	0.196	0.104	0.084	0.066	0.102	0.263	1.032	1.259	1.855	0.504
SE0012R	inden_123cd_pyrene	air+aerosol	0.53	0.025	0.036	0.039	0.023	0.016	0.007	0.012	0.029	0.05	0.052	0.29	0.091
SE0014R	inden_123cd_pyrene	air+aerosol	0.133	0.047	0.046	0.04	0.012	0.004	0.003	0.007	0.026	0.059	0.118	0.165	0.054
SI0008R	inden_123cd_pyrene	pm10	1.196	0.804	0.332	0.235	0.06	0.015	0.011	0.02	0.253	0.215	0.702	1.096	0.415
NO0001R	N1methylnaphtalene	air+aerosol	-	-	-	-	0.1	0.093	0.09	0.103	0.073	0.219	0.259	0.77	-
NO0042G	N1methylnaphtalene	air+aerosol	0.559	0.192	0.078	0.056	0.032	0.076	0.063	0.017	0.037	1.286	0.148	2.846	0.588
NO0001R	N1methylphenanthrene	air+aerosol	-	-	-	-	0.028	0.222	0.036	0.03	0.038	0.045	0.037	0.071	-
NO0042G	N1methylphenanthrene	air+aerosol	0.006	0.004	0.004	0.003	0.003	0.004	0.005	0.004	0.002	0.002	0.003	0.006	0.004
NO0001R	N2methylanthracene	air+aerosol	-	-	-	-	0.06	0.014	0.01	0.016	0.01	0.01	0.01	0.02	-
NO0042G	N2methylanthracene	air+aerosol	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
NO0001R	N2methylnaphtalene	air+aerosol	-	-	-	-	0.183	0.184	0.172	0.17	0.118	0.39	0.407	1.01	-
NO0042G	N2methylnaphtalene	air+aerosol	0.682	0.22	0.134	0.118	0.067	0.175	0.145	0.038	0.089	1.564	0.206	3.534	0.748
NO0001R	N2methylphenanthrene	air+aerosol	-	-	-	-	0.065	0.12	0.063	0.051	0.055	0.06	0.054	0.122	-
NO0042G	N2methylphenanthrene	air+aerosol	0.01	0.007	0.007	0.007	0.005	0.007	0.008	0.007	0.004	0.004	0.004	0.009	0.006
NO0001R	N3methylphenanthrene	air+aerosol	-	-	-	-	0.053	0.071	0.052	0.044	0.045	0.048	0.05	0.108	-
NO0042G	N3methylphenanthrene	air+aerosol	0.006	0.004	0.005	0.006	0.002	0.006	0.006	0.005	0.003	0.003	0.003	0.007	0.005
NO0001R	N9methylphenanthrene	air+aerosol	-	-	-	-	0.036	0.084	0.036	0.039	0.031	0.032	0.035	0.07	-
NO0042G	N9methylphenanthrene	air+aerosol	0.005	0.004	0.005	0.007	0.003	0.006	0.006	0.006	0.004	0.003	0.003	0.005	0.004

Site	Comp	matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
CZ0003R	PCB_101	air+aerosol	0.62	2.25	0.5	1.82	3.45	5.1	6.04	5.475	5.725	2.08	1.125	0.5	2.837
FI0096G	PCB_101	air+aerosol	0.81	0.5	0.77	0.55	0.5	1.1	2.5	1.5	0.39	0.39	0.36	0.43	0.817
GB0014R	PCB_101	air+aerosol	0.02	0.02	0.02	-	-	-	0.66	0.66	0.66	0.07	0.07	0.07	0.251
IS0091R	PCB_101	air+aerosol	0.473	0.526	1.541	2.007	2.941	3.682	4.354	3.768	2.877	1.35	1.283	1.101	2.169
NO0001R	PCB_101	air+aerosol	1.288	1.959	0.97	2.277	0.822	0.843	1.08	0.533	0.709	0.433	0.414	0.396	0.963
NO0042G	PCB_101	air+aerosol	0.447	0.541	0.514	0.45	0.337	0.295	0.305	0.482	0.32	0.321	0.372	0.43	0.401
SE0012R	PCB_101	air+aerosol	1.5	0.88	0.69	1.3	1.3	1.7	2	2.3	1.6	0.72	0.572	0.92	1.285
SE0014R	PCB_101	air+aerosol	1.153	1.05	1.041	1.5	2.284	2.027	3.577	2.919	2.043	1.181	0.946	1.037	1.742
SE0014R	PCB_101	air+aerosol	1.153	1.05	1.041	1.5	2.284	2.027	3.577	2.919	2.043	1.181	0.946	1.037	1.742
IS0091R	PCB_105	air+aerosol	0.099	0.104	0.099	0.103	0.1	0.102	0.1	0.099	0.103	0.1	0.102	0.098	0.101
NO0042G	PCB_105	air+aerosol	0.043	0.052	0.05	0.044	0.024	0.039	0.017	0.146	0.029	0.029	0.034	0.029	0.043
NO0042G	PCB_114	air+aerosol	0.006	0.007	0.007	0.006	0.005	0.005	0.005	0.039	0.005	0.005	0.005	0.005	0.008
CZ0003R	PCB_118	air+aerosol	0.5	0.5	1.3	1.8	1.125	1.375	1.38	0.875	1.125	0.62	0.5	0.5	0.968
FI0096G	PCB_118	air+aerosol	0.29	0.16	0.21	0.16	0.15	0.32	0.47	0.39	0.12	0.12	0.086	0.13	0.217
GB0014R	PCB_118	air+aerosol	0.41	0.41	0.41	-	-	-	1.76	1.76	1.76	0.23	0.23	0.23	0.802
IS0091R	PCB_118	air+aerosol	0.149	0.182	0.373	0.468	0.608	0.68	0.666	0.565	0.401	0.155	0.164	0.165	0.383
NO0001R	PCB_118	air+aerosol	0.368	0.887	0.267	0.736	0.254	0.316	0.326	0.16	0.23	0.124	0.121	0.114	0.316
NO0042G	PCB_118	air+aerosol	0.138	0.17	0.167	0.141	0.077	0.115	0.06	0.392	0.097	0.094	0.105	0.106	0.136
SE0012R	PCB_118	air+aerosol	0.53	0.39	0.26	0.57	0.77	0.69	0.72	0.87	0.69	0.39	0.203	0.44	0.538
SE0014R	PCB_118	air+aerosol	0.385	0.38	0.325	0.52	0.887	0.776	1.374	1.132	0.818	0.472	0.344	0.399	0.656
SE0014R	PCB_118	air+aerosol	0.385	0.38	0.325	0.52	0.887	0.776	1.374	1.132	0.818	0.472	0.344	0.399	0.656
NO0042G	PCB_122	air+aerosol	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.032	0.005	0.005	0.005	0.005	0.007
NO0042G	PCB_123	air+aerosol	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.036	0.005	0.005	0.005	0.005	0.007
NO0042G	PCB_128	air+aerosol	0.016	0.02	0.021	0.019	0.011	0.033	0.01	0.174	0.028	0.014	0.016	0.015	0.03
FI0096G	PCB_138	air+aerosol	0.26	0.19	0.22	0.16	0.15	0.26	0.5	0.36	0.1	0.106	0.11	0.15	0.214
GB0014R	PCB_138	air+aerosol	0.58	0.58	0.58	-	-	-	1.41	1.41	1.41	0.25	0.25	0.25	0.748
IS0091R	PCB_138	air+aerosol	0.099	0.104	0.184	0.103	0.214	0.291	0.395	0.312	0.17	0.1	0.102	0.098	0.182
NO0001R	PCB_138	air+aerosol	0.402	1.058	0.304	0.844	0.308	0.628	0.554	0.239	0.274	0.15	0.135	0.138	0.408
NO0042G	PCB_138	air+aerosol	0.123	0.138	0.132	0.13	0.073	0.207	0.061	0.977	0.157	0.086	0.098	0.09	0.181
SE0012R	PCB_138	air+aerosol	0.76	0.42	0.29	0.69	1.3	0.83	1	1.2	0.8	0.42	0.288	0.44	0.697
SE0014R	PCB_138	air+aerosol	0.588	0.532	0.574	0.939	1.8	1.602	3.323	2.265	1.803	0.839	0.652	0.631	1.308
SE0014R	PCB_138	air+aerosol	0.588	0.532	0.574	0.939	1.8	1.602	3.323	2.265	1.803	0.839	0.652	0.631	1.308
NO0042G	PCB_141	air+aerosol	0.03	0.035	0.032	0.027	0.019	0.064	0.02	0.345	0.05	0.027	0.028	0.028	0.056
NO0042G	PCB_149	air+aerosol	0.207	0.237	0.221	0.229	0.151	0.203	0.141	0.723	0.197	0.149	0.18	0.198	0.232
FI0096G	PCB_153	air+aerosol	0.32	0.19	0.31	0.2	0.14	0.31	0.54	0.36	0.1	0.117	0.13	0.19	0.243
GB0014R	PCB_153	air+aerosol	1.22	1.22	1.22	-	-	-	0.72	0.72	0.72	0.08	0.08	0.08	0.672
IS0091R	PCB_153	air+aerosol	0.245	0.395	0.368	0.417	0.583	0.726	0.646	0.526	0.385	0.155	0.154	0.155	0.396
NO0001R	PCB_153	air+aerosol	0.735	1.437	0.567	1.346	0.502	0.826	0.862	0.362	0.415	0.235	0.219	0.227	0.633
NO0042G	PCB_153	air+aerosol	0.19	0.215	0.206	0.19	0.114	0.254	0.101	1.145	0.21	0.133	0.153	0.152	0.247
SE0014R	PCB_153	air+aerosol	0.723	0.664	0.669	1.077	2.087	1.748	3.539	2.506	1.95	0.952	0.753	0.671	1.458
SE0014R	PCB_153	air+aerosol	0.723	0.664	0.669	1.077	2.087	1.748	3.539	2.506	1.95	0.952	0.753	0.671	1.458

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IS0091R	PCB_156	air+aerosol	0.099	0.104	0.099	0.103	0.1	0.102	0.1	0.099	0.103	0.1	0.102	0.098	0.101
NO0042G	PCB_156	air+aerosol	0.006	0.009	0.005	0.005	0.005	0.02	0.005	0.126	0.013	0.005	0.005	0.007	0.017
NO0042G	PCB_157	air+aerosol	0.005	0.005	0.005	0.005	0.005	0.007	0.005	0.042	0.005	0.005	0.005	0.005	0.008
NO0042G	PCB_167	air+aerosol	0.005	0.005	0.005	0.005	0.005	0.011	0.005	0.075	0.007	0.005	0.005	0.005	0.011
NO0042G	PCB_170	air+aerosol	0.005	0.012	0.011	0.006	0.005	0.038	0.006	0.234	0.027	0.007	0.009	0.005	0.029
NO0042G	PCB_18	air+aerosol	5.393	5.688	4.705	4.291	5.62	4.946	5.656	6.232	4.754	3.559	2.741	7.241	5.173
FI0096G	PCB_180	air+aerosol	0.028	0.018	0.025	0.019	0.017	0.024	0.051	0.034	0.009	0.01	0.011	0.018	0.022
GB0014R	PCB_180	air+aerosol	0.12	0.12	0.12	-	-	-	0.04	0.04	0.04	0.02	0.02	0.02	0.06
IS0091R	PCB_180	air+aerosol	0.099	0.104	0.278	0.103	0.1	0.102	0.1	0.099	0.103	0.1	0.102	0.098	0.116
NO0001R	PCB_180	air+aerosol	0.145	0.427	0.111	0.336	0.126	0.309	0.291	0.103	0.093	0.058	0.052	0.057	0.172
NO0042G	PCB_180	air+aerosol	0.034	0.034	0.033	0.022	0.021	0.101	0.022	0.551	0.075	0.024	0.031	0.023	0.076
SE0012R	PCB_180	air+aerosol	0.3	0.14	0.12	0.25	0.23	0.26	0.32	0.35	0.26	0.13	0.099	0.18	0.218
SE0014R	PCB_180	air+aerosol	0.181	0.156	0.228	0.355	0.655	0.546	1.226	0.757	0.646	0.286	0.239	0.278	0.467
SE0014R	PCB_180	air+aerosol	0.181	0.156	0.228	0.355	0.655	0.546	1.226	0.757	0.646	0.286	0.239	0.278	0.467
NO0042G	PCB_183	air+aerosol	0.015	0.016	0.015	0.011	0.01	0.032	0.011	0.183	0.027	0.012	0.014	0.015	0.029
NO0042G	PCB_187	air+aerosol	0.04	0.039	0.038	0.037	0.025	0.069	0.025	0.372	0.06	0.033	0.033	0.032	0.064
NO0042G	PCB_189	air+aerosol	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.034	0.005	0.005	0.005	0.005	0.007
NO0042G	PCB_194	air+aerosol	0.005	0.005	0.005	0.005	0.005	0.008	0.005	0.058	0.005	0.005	0.005	0.005	0.009
NO0042G	PCB_206	air+aerosol	0.005	0.005	0.005	0.007	0.005	0.005	0.005	0.035	0.005	0.005	0.005	0.005	0.007
NO0042G	PCB_209	air+aerosol	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.043	0.005	0.005	0.005	0.005	0.008
CZ0003R	PCB_28	air+aerosol	3.06	2.975	2.625	6.62	8.825	11.175	9.32	7.5	10.375	8.2	7.7	3.86	6.822
FI0096G	PCB_28	air+aerosol	1.5	0.69	1.2	0.85	0.84	1.6	5.5	2	0.51	0.627	0.63	1.3	1.444
GB0014R	PCB_28	air+aerosol	0.02	0.02	0.02	-	-	-	4.3	4.3	4.3	2.63	2.63	2.63	2.325
IS0091R	PCB_28	air+aerosol	1.539	1.612	2.634	2.984	3.64	4.397	6.757	5.254	4.317	2.052	2.103	1.764	3.266
NO0001R	PCB_28	air+aerosol	3.162	2.894	2.364	4.999	1.832	1.262	1.452	0.888	1.381	1.075	1.003	1.061	1.911
NO0042G	PCB_28	air+aerosol	3.372	3.527	3.123	2.696	3.897	3.712	4.068	4.755	3.381	2.785	1.961	5.839	3.703
SE0012R	PCB_28	air+aerosol	1.9	1.1	1.5	1.5	1.8	1.4	1.8	1.7	2.3	1.1	0.944	2	1.58
SE0014R	PCB_28	air+aerosol	1.467	1.103	1.123	1.42	1.787	1.25	1.642	1.774	1.417	1.094	1.233	0.904	1.356
SE0014R	PCB_28	air+aerosol	1.467	1.103	1.123	1.42	1.787	1.25	1.642	1.774	1.417	1.094	1.233	0.904	1.356
IS0091R	PCB_31	air+aerosol	1.241	1.353	1.988	2.316	3.091	3.835	4.605	3.025	2.212	1.299	1.487	1.323	2.321
NO0042G	PCB_31	air+aerosol	3.208	3.402	2.969	2.586	3.627	3.447	3.788	4.479	3.197	2.491	1.75	5.414	3.464
NO0042G	PCB_33	air+aerosol	2.375	2.532	2.259	1.898	2.879	2.722	2.972	3.425	2.378	1.88	1.295	4.22	2.652
NO0042G	PCB_37	air+aerosol	0.29	0.345	0.312	0.236	0.379	0.397	0.373	0.482	0.332	0.242	0.161	0.564	0.354
NO0042G	PCB_47	air+aerosol	0.673	2.148	1.133	0.787	0.802	0.624	0.611	0.78	0.566	0.592	0.429	1.388	0.898
CZ0003R	PCB_52	air+aerosol	2.68	3.225	2.65	6	8.85	11.75	9.08	6.95	7.825	9.02	10.075	4.52	6.856
FI0096G	PCB_52	air+aerosol	1.9	1.3	1.7	1.4	1.4	2.5	7.4	3.5	0.9	0.935	0.68	0.94	2.048
GB0014R	PCB_52	air+aerosol	2.18	2.18	2.18	-	-	-	2.58	2.58	2.58	0.87	0.87	0.87	1.877
IS0091R	PCB_52	air+aerosol	1.205	1.13	3.081	3.343	4.088	5.216	5.255	4.71	3.955	2.049	2.102	1.812	3.174
NO0001R	PCB_52	air+aerosol	2.931	2.862	2.135	4.109	1.447	1.219	1.524	0.868	1.2	0.876	0.852	0.863	1.713
NO0042G	PCB_52	air+aerosol	1.364	1.583	1.525	1.369	1.243	1.066	1.192	1.308	1.067	1.011	0.885	1.644	1.289

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SE0012R	PCB_52	air+aerosol	1.8	1.2	1.2	1.8	2	1.9	2.3	2.7	2.6	1.2	1.044	1.7	1.778
SE0014R	PCB_52	air+aerosol	1.44	1.221	1.181	1.747	2.674	2.62	2.835	2.826	2.373	1.89	1.46	1.586	1.996
SE0014R	PCB_52	air+aerosol	1.44	1.221	1.181	1.747	2.674	2.62	2.835	2.826	2.373	1.89	1.46	1.586	1.996
NO0042G	PCB_66	air+aerosol	0.325	0.406	0.393	0.321	0.283	0.28	0.236	0.353	0.285	0.266	0.213	0.397	0.317
NO0001R	PCB_99	air+aerosol	0.508	0.842	0.351	0.788	0.28	0.246	0.307	0.161	0.236	0.139	0.142	0.133	0.337
NO0042G	PCB_99	air+aerosol	0.179	0.219	0.227	0.193	0.124	0.09	0.089	0.154	0.107	0.122	0.153	0.159	0.151
NO0042G	op_DDD	air+aerosol	0.036	0.033	0.025	0.029	0.01	0.007	0.005	0.017	0.022	0.022	0.017	0.023	0.02
NO0042G	op_DDE	air+aerosol	0.12	0.116	0.147	0.082	0.022	0.014	0.013	0.016	0.029	0.052	0.076	0.111	0.067
IS0091R	op_DDT	air+aerosol	0.099	0.104	0.099	0.103	0.1	0.102	0.1	0.099	0.103	0.1	0.102	0.098	0.101
NO0042G	op_DDT	air+aerosol	0.254	0.291	0.314	0.171	0.07	0.05	0.041	0.112	0.058	0.107	0.155	0.244	0.156
FI0096G	pp_DDD	air+aerosol	1.3	0.07	0.06	0.005	0.005	0.04	0.05	0.04	0.005	0.005	0.005	0.13	0.143
IS0091R	pp_DDD	air+aerosol	0.099	0.104	0.099	0.103	0.1	0.102	0.1	0.099	0.103	0.1	0.102	0.098	0.101
NO0042G	pp_DDD	air+aerosol	0.032	0.027	0.03	0.021	0.019	0.02	0.016	0.041	0.027	0.028	0.03	0.016	0.025
SE0012R	pp_DDD	air+aerosol	1.4	1.1	0.25	0.34	0.21	0.32	0.31	0.29	0.22	0.64	0.523	1.5	0.582
SE0014R	pp_DDD	air+aerosol	0.131	0.101	0.133	0.235	0.083	0.071	0.312	0.163	0.151	0.15	0.382	0.46	0.196
FI0096G	pp_DDE	air+aerosol	1.4	0.53	1.1	0.29	0.13	0.23	0.42	0.23	0.12	0.132	0.5	1.4	0.541
IS0091R	pp_DDE	air+aerosol	0.225	0.104	0.099	0.17	0.209	0.235	0.526	0.357	0.267	0.1	0.102	0.175	0.215
NO0042G	pp_DDE	air+aerosol	0.852	0.744	0.65	0.274	0.085	0.076	0.06	0.087	0.126	0.232	0.586	1.089	0.411
SE0012R	pp_DDE	air+aerosol	6	2.6	1.5	2.2	1.5	2.5	3	3.4	2.5	1.8	1.411	5.4	2.79
SE0014R	pp_DDE	air+aerosol	3.02	1.748	1.939	2.02	1.095	0.941	1.09	1.716	1.777	2.035	2.42	2.261	1.833
FI0096G	pp_DDT	air+aerosol	0.32	0.34	0.32	0.25	0.23	0.21	0.32	0.2	0.16	0.142	0.23	0.25	0.247
IS0091R	pp_DDT	air+aerosol	0.099	0.104	0.099	0.103	0.1	0.102	0.1	0.099	0.196	0.155	0.102	0.098	0.113
NO0042G	pp_DDT	air+aerosol	0.118	0.133	0.104	0.075	0.015	0.045	0.02	0.144	0.048	0.08	0.1	0.137	0.085
SE0012R	pp_DDT	air+aerosol	1.2	0.46	0.23	0.48	0.42	0.79	0.94	0.89	0.67	0.2	0.177	0.73	0.596
SE0014R	pp_DDT	air+aerosol	0.546	0.288	0.426	0.609	0.465	0.431	0.497	0.571	0.496	0.403	0.403	0.44	0.465
IS0091R	trans_CD	air+aerosol	0.198	0.219	0.258	0.252	0.209	0.251	0.15	0.099	0.103	0.1	0.102	0.17	0.175
NO0042G	trans_CD	air+aerosol	0.31	0.427	0.29	0.263	0.132	0.1	0.059	0.06	0.052	0.072	0.192	0.257	0.184
IS0091R	trans_NO	air+aerosol	0.297	0.318	0.373	0.442	0.464	0.43	0.375	0.322	0.293	0.224	0.272	0.294	0.342
NO0042G	trans_NO	air+aerosol	0.43	0.543	0.421	0.49	0.392	0.297	0.327	0.344	0.378	0.453	0.433	0.396	0.407