EMEP/CCC-Report 4/2000

Data Report 1998

Part 2: Monthly and seasonal summaries

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

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Anne-Gunn Hjellbrekke

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1. Introduction

Measurements of air quality in Europe have been carried out under the "Co-operative programme for monitoring and evaluation of the long range transmission of air pollutants in Europe" (EMEP) since 1 October 1977. From the start, priority was given to sulphur dioxide and sulphate in air, and pH and sulphate in precipitation, gradually increasing to all main components in precipitation and ozone and nitrogen compounds in air. A few sites also measure VOC. Heavy metals and POPs are not part of EMEP's measurement programme, but existing data are collected and reported yearly.

The EMEP data from 1998 for the main components in air and precipitation have been presented in two reports. Part 2, contained in this volume, gives the seasonal and monthly summaries. Part 1, contained in EMEP/CCC-Report 3/2000, gives the annual summaries of the data from 1998.

In total, precipitation data from 84 stations and air data from 94 stations are presented in this report. The total number of measurement sites in this report is 98.

The air and precipitation samples were analysed at the laboratories in the participating countries and the results have been forwarded to the Chemical Co-ordinating Centre (CCC) at the Norwegian Institute for Air Research (NILU).

2. The measurement network

The location of the measurement sites which have delivered data during 1998 are given in Table 1 and Figure 1. In addition to the network presented here, there are additionally sites with other types of measurements.

In some parts of Europe, the site density is low and highly unsatisfactory. There is a need for more sites especially in the Mediterranean region and in the eastern parts of Europe, especially in Turkey, Italy and Cyprus.

Data have not been reported from Belgium since 1992. There are no data from Valentia Observatory this year due to technical problems at the laboratory, and no data have been reported from Greece.

Table 1: List of EMEP monitoring stations in operation in 1998.

Country	Station codes		Station name	Location		Height above sea (m)
	New	Old		Lat.	Long.	
Austria	AT0002R	AT2,A2	Illmitz	47°46'E	16°46'E	117
	AT0004R	AT4,A4	St. Koloman	47°39'N	13°12'E	851
	AT0005R	AT5	Vorhegg	46°40'N	12°58'E	1020
Czech Rep.	CZ0001R	CS1	Svratouch	49°44'N	16°02'E	737
	CZ0003R	CS3	Kosetice	49°35'N	15°05'E	534
Denmark	DK0003R	DK3	Tange	56°21'N	9°36'E	13
	DK0005R	DK5	Keldsnor	54°44'N	10°44'E	9
	DK0008R	DK8	Anholt	56°43'N	11°31'E	40
Estonia	EE0009R	EE9,SU9	Lahemaa	59°30'N	25°54'E	32
	EE0011R	EE11,SU11	Vilsandi	58°23'N	21°49'E	6
Finland	FI0004R	FI4,SF4	Ähtari	62°33'N	24°13'E	162
	FI0009R	FI9,SF9	Utö	59°47'N	21°23'E	7
	FI0017R	FI17,SF17	Virolahti II	60°31'N	27°41'E	4
	FI0022R	FI22,SF22	Oulanka	66°19'N	29°24'E	310
	FI0037R	-	Ähtari II	62°35'N	24°11'E	180
France	FR0003R	FR3,F3	La Crouzille	45°50'N	1°16'E	497
	FR0005R	FR5,F5	La Hague	49°37'N	1°50'W	133
	FR0008R	FR8,F8	Donon	48°30'N	7°08'E	775
	FR0009R	FR9,F9	Revin	49°54'N	4°38'E	390
	FR0010R	FR10,F10	Morvan	47°16'N	4°05'E	620
	FR0011R	FR11,F11	Bonnevaux	46°49'N	6°11'E	836
	FR0012R	FR12,F12	Iraty	43°02'N	1°05'W	1300
	FR0013R	-	Peyrusse Vielle	47°22'N	0°06'E	236
	FR0014R	-	Montandon	47°11'N	6°30'E	746
Germany	DE0001R	DE1,D1	Westerland	54°55'N	8°18'E	12
	DE0002R	DE2,D2	Langenbrügge	52°48'N	10°45'E	74
	DE0003R	DE3,D3	Schauinsland	47°55'N	7°54'E	1205
	DE0004R	DE4,D4	Deuselbach	49°46'N	7°03'E	480
	DE0005R	DE5,D5	Brotjacklriegel	48°49'N	13°13'E	1016
	DE0007R	DE7,D2	Neuglobsow	53°09'N	13°02'E	62
	DE0008R	DE8,D8	Schmücke	50°39'N	10°46'E	937
	DE0009R	DE9	Zingst	54°26'N	12°44'E	1
Hungary	HU0002R	HU2,H1	K-puszta	46°58'N	19°35'E	125
Iceland	IS0002R	IS2	Irafoss	64°05N	21°01'W	61
Ireland	IE0002R	IE2,IR2	Turlough Hill	53°02N	6°24'W	420
	IE0003R	IE3	The Burren	53°00'N	7°27'W	90
	IE0004R	IE4	Ridge of Capard	53°07'N	9°20'W	340
Italy	IT0001R	IT1,I1	Montelibretti	42°06'N	12°38'E	48
	IT0004R	IT4,I4	Ispra	45°48'N	8°38'E	209
Latvia	LV0010R	LV10,SU10	Rucava	56°13'N	21°13'E	18
	LV0016R	LV16	Zoseni	57°08'N	25°55'E	183
Lithuania	LT0015R	LT15,SU15	Preila	55°21'N	21°04'E	5
Netherlands	NL0009R	NL9	Kollumerwaard	53°20'N	6°17'E	0
	NL0010R	NL10	Vreedepeel	51°32'N	5°51'E	28

Table 1 cont.:

Country	Station codes		Station name	Location		Height above sea (m)
	New	Old		Lat.	Long.	
Norway	NO0001R	NO1,N1	Birkenes	58°23'N	8°15'E	190
	NO0008R	NO8,N8	Skreådalen	58°49'N	6°43'E	475
	NO0015R	NO15,N15	Tustervatn	65°50'N	13°55'E	439
	NO0039R	NO39,N39	Kårvatn	62°47'N	8°53'E	210
	NO0041R	NO41,N41	Osen	61°15'N	11°47'E	440
	NO0042G	NO42,N42	Spitzbergen, Zeppelinfjell	78°54'N	11°53'E	474
	NO0055R	NO55	Karasjok	69°28'N	25°13'E	333
Poland	PL0002R	PL2	Jarczew	51°49'N	21°59'E	180
	PL0003R	PL3	Sniezka	50°44'N	15°44'E	1604
	PL0004R	PL4	Leba	54°45'N	17°32'E	2
	PL0005R	PL5	Diabla Gora	54°09'N	22°04'E	157
Portugal	PT0001R	PT1,P1	Braganca	41°49'N	6°46'W	691
	PT0003R	PT3,P3	V. d. Castelo	41°42'N	8°48'W	16
	PT0004R	PT4,P4	Monte Velho	38°05'N	8°48'W	43
Russian	RU0001R	RU1,SU1	Janiskoski	68°56'N	28°51'E	118
Federation	RU0013R	RU13,SU13	Pinega	64°42'N	43°24'E	28
	RU0016R	RU16	Shepeljovo	59°58'N	29°07'E	4
Slovenia	SI0008R	SI8	Iskrba	45°34'N	14°52'E	520
Slovakia	SK0002R	SK2,CS2	Chopok	48°56'N	19°35'E	2008
	SK0004R	SK4	Stará Lesná	49°09'N	20°17'E	808
	SK0005R	SK5	Liesek	49°22'N	19°41'E	892
	SK0006R	SK6	Starina	49°03'N	22°16'E	345
Spain	ES0001R	ES1,E1	San Pablo	39°33'N	4°21'W	917
	ES0003R	ES3,E3	Roquetas	40°49'N	0°30'W	50
	ES0004R	ES4,E4	Logrono	42°27'N	2°30'W	445
	ES0005R	ES5	Noya	42°44'N	8°55'W	685
	ES0006R	ES6	Mahon	39°52'N	4°19'E	78
	ES0007R	ES7	Viznar	37°14'N	3°32'W	1265
Sweden	SE0002R	SE2,S2	Rörvik	57°25'N	11°56'E	10
	SE0005R	SE5,S5	Bredkälen	63°51'N	15°20'E	404
	SE0008R	SE8,S8	Hoburg	56°55'N	18°09'E	58
	SE0011R	SE11,S11	Vavihill	56°01'N	13°09'E	172
	SE0012R	SE12,S12	Aspvreten	58°48'N	17°23'E	20
Switzerland	CH0001G	CH1	Jungfraujoch	46°33'N	7°59'E	3573
	CH0002R	CH2	Payerne	46°48'N	6°57'E	510
	CH0003R	CH3,CH32	Tänikon	47°29'N	8°54'E	540
	CH0004R	CH4	Chaumont	47°03'N	6°59'E	1130
	CH0005R	CH5	Rigi	47°04'N	8°28'E	1030
Turkey	TR0001R	TR1	Cubuk II	40°30'N	33°00'E	1169
United	GB0002R	GB2,UK2	Eskdalemuir	55°19'N	3°12'W	243
Kingdom	GB0004R	GB4UK4	Stoke Ferry	52°34'N	0°30'E	15
	GB0006R	GB6,UK6	Lough Navar	54°26'N	7°54'W	126
	GB0007R	GB7,UK7	Barcombe Mills	50°52'N	0°02'W	8
	GB0013R	GB13,UK13	Yarner Wood	50°36'N	3°43'W	119
	GB0014R	GB14,UK14	High Muffles	54°20'N	0°48'W	267
	GB0015R	GB15,UK15	Strath Vaich Dam	57°44'N	4°46'W	270
	GB0016R	GB16,UK16	Glen Dye	56°58'N	2°25'W	85

Table 1 cont.:

Country	Station codes		Station name	Location		Height above sea
	New	Old		Lat.	Long.	(m)
United Kingdom	GB0036R	GB36	Harwell	51°34'N	1°18'W	137
cont.	GB0037R	GB37	Ladybower	53°23'N	1°45'W	420
	GB0038R	GB38	Lullington Heath	50°47'N	0°10'W	120
	GB0043R	GB43	Narberth	51°14'N	4°42'W	160
	GB0045R	GB45	Wicken Fen	52°18'N	0°18'W	5
Yugoslavia	YU0005R	YU5	Kamenicki vis	43°24'N	21°57'E	813
	YU0008R	YU8	Zabljak	43°09'N	19°08'E	1450

3. Site codes

The site codes used in this report are the codes used for data submission and storage in the EMEP data base. 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). The station numbers have been retained from previous codes used.

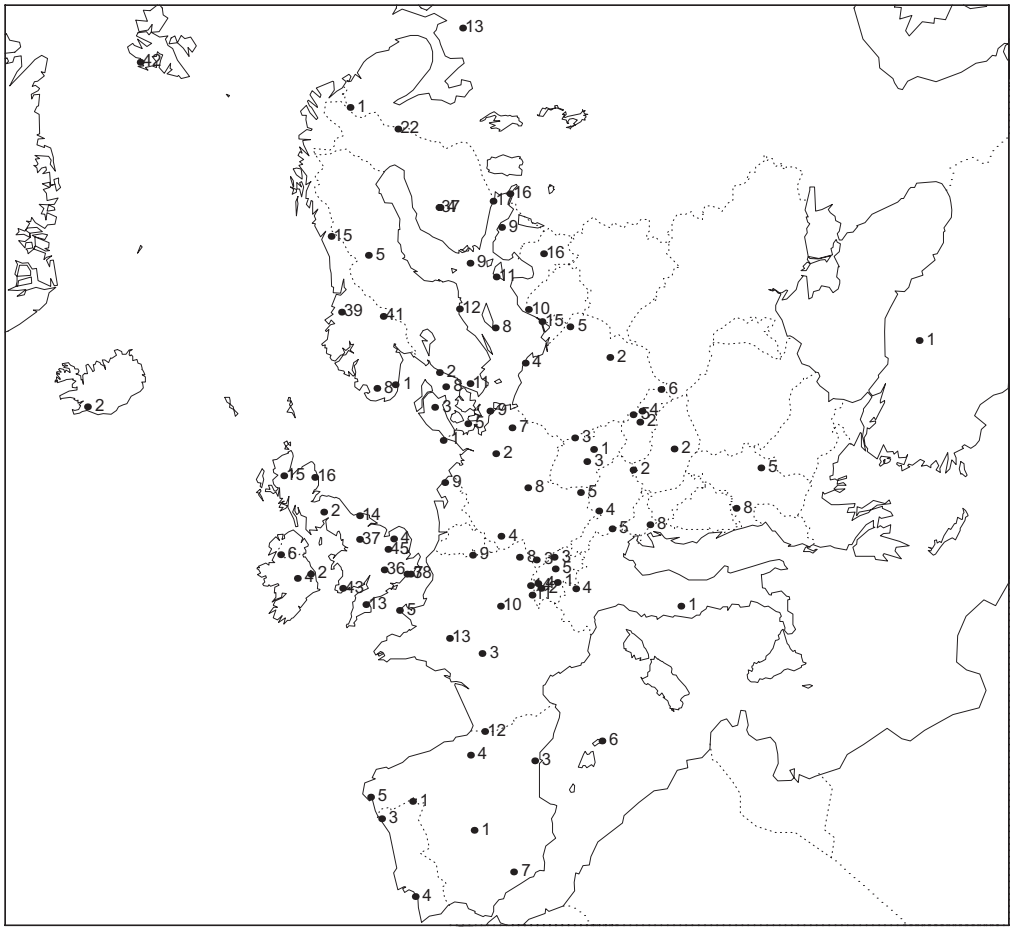

Figure 1: Location of the EMEP monitoring stations in operation in 1998. Sites with ozone/VOC measurements only are not included.

4. The measurement programme during 1998

EMEP's measurement programme during 1998 is presented in Table 2. Many sites had however, even during 1998, a less extensive measurement programme, as can be seen from the data tables in this report. Most sites measure air as well as precipitation components. However, some sites perform either the one or the other type of measurements.

Table 2: EMEP's measurement programme 1998. Sampling periods are 24 hours except for ozone and VOC.

	Components	Measurement period	Measurement frequency
Gas	SO_2, NO_2 O_3 Light hydrocarbons C_2-C_7* ketones and aldehydes (VOC)	24 hours Hourly means stored 10 - 15 minutes 8 hours	Daily Continuously Twice weekly Twice weekly
Particles	SO_4^{2-}	24 hours	Daily
Gas + particles	HNO_3 (g) + NO_3^- (p) NH_3 (g) + NH_4^+ (p)	24 hours	Daily
Precipitation	Amount of precipitation, SO_4^{2-}, NO_3^-, Cl^-, pH/H^+ NH_4^+, Na^+ Mg^{2+}, Ca^{2+}, K^+, conductivity	24 hours	Daily

* Measurements are made at a small number of sites only.

An evaluation of the VOC measurement programme within EMEP has been published earlier (Solberg et al., 1995). The VOC data from 1998 was reported separately by Solberg (1999), while ozone data from 1998 was reported by Hjellbrekke (2000). Heavy metals and POPs were reported by Berg and Hjellbrekke (2000).

5. Sampling and analytical methods

The recommended procedures for sampling and analysis of precipitation and air are described in the EMEP Manual for sampling and chemical analysis. The manual has been updated and the final version was sent out in 1996 (Hanssen et al., 1995). A draft version is also available on the WWW at http://www.nilu.no/projects/ccc/manual/. The methods used by the participating countries are given in Annex 1.

6. Laboratory intercomparison

During 1997 the 16th laboratory intercomparison of analytical methods was carried out. As usual most of the laboratories report acceptable data, but there are still some outliers. The intercomparison results are presented in EMEP/CCC Report 2/97. No laboratory intercomparison was carried out during 1998.

7. Data from the monitoring stations

The data sent to CCC on diskettes or transferred through internet, are checked and stored in the CCC database.

Data on particulate nitrate and ammonium have been forwarded to the CCC since 1987. It should, however, be noticed that some of these data are from filter sampling, where no steps have been taken to avoid chemical reactions, and that such reactions can cause inaccurate results.

8. Calculation of excess sulphate in precipitation

The sulphate in precipitation is stored in the database as reported, i.e. total sulphate, and as corrected, non-marine sulphate, i.e. total sulphate minus sulphate originating from sea-salt particles.

When the sulphate concentrations originating from sea-salt are larger than the total sulphate, and the corrected sulphate concentrations consequently become less than zero, negative concentrations have been stored in the data base and have been used to calculate averages in the report in order to avoid bias in the aggregates. Negative concentrations are mainly caused by random errors in the data.

CCC has since 1994 used a routine worked out by the Canadian Air and Precipitation Monitoring Network (CAPMoN) for calculation of the marine contribution to sulphate in precipitation. The routine has been adopted by the WMO GAW. A series of EMEP's sites will also report data to WMO through the CCC if the Steering Body agrees, and common routines will necessarily fill the data bases with identical data. This is consequently a step in a harmonisation process between EMEP and WMO GAW.

Excess sulphate data as calculated with the old routine will be available from the CCC as a continuation of the data series upon request.

9. Data flagged in this report

EMEP's data quality objectives (DQO, Annex 5) were set to provide sufficiently accurate data for EMEP's needs. They have been discussed and accepted at the Steering Body in 1996, and the participating laboratories have consequently to provide data meeting the DQO in order to have them accepted by EMEP.

The Parties to the Convention are obliged to make this goal attainable to their own EMEP laboratories. The laboratories must therefore be sufficiently funded to do their measurements in accordance with recommended methods and instrumentation in field and in laboratory. Although a harmonisation and standardisation of methods is strongly needed, methods equivalent to the recommended ones may be acceptable if the participant has demonstrated that the data meet the DQO. Secondly, and of greatest importance is to have sufficient funding to be able to implement quality assurance good enough to provide data meeting the DQO.

The CCC has in collaboration with MSC-W performed an evaluation of the methods and data quality of precipitation and air measurements (Aas et al., 2000). The intention with this evaluation is to give an estimate of the expected errors in the annual arithmetic averages from 1998.

The averages have been classified in four quality groups:

A: expected error 10% or better
B: expected error 25% or better
C: expected error 30% or better
D: expected error worse than 30% or unknown/not documented

The sources used in the evaluation are:

- 21st WMO/GAW Acid Rain Performance Survey (Coleman et al., 1999). EMEP/CCC did not have any laboratory intercomparison in 1998, and with acceptances from WMO and the participants this survey was used.
- For laboratories not participating in the survey, results from the intercomparions from the three previous years were used (Hanssen and Skjelmoen, 1995, 1996 and 1997).
- Results from field comparisons (Schaug et al., 1998; Aas et al., 1999).
- Calculations on ion balances.

The results from this evaluation have been used to flag most of the data presented in this report.

10. Monthly mean concentrations

The arithmetic mean values of gases and components in aerosols have been given in Annex 2. As a measure of data completeness the per cent days with results for each component every month has also been printed in Annex 2.

The precipitation data are presented in Annex 3. The monthly mean values given are the precipitation weighted arithmetic averages. The per cent analysed for a component is the per cent of the total precipitation which have been analysed for the component during a specified period, and the per cent analysed is used as a measure of completeness. Precipitation amounts from the samplers are once in a while lost due to mistakes and errors and can not in such cases easily be estimated

since EMEP do not have precipitation amounts from co-located precipitation gauges. If the precipitation amount is missing a day with amounts of rain or snow of importance, then the total precipitation amount for a period including this day will be too low, and consequently the corresponding completeness for all components too high. As a measure of completeness of precipitation amounts, the number of days with precipitation data has been taken.

11. Seasonal summaries of the data

The seasonal summaries of the air components have been presented in Annex 4, and the summaries of the precipitation data in Annex 5. The precipitation component summaries contain the precipitation weighted arithmetic mean value, the minimum and maximum daily concentrations, the wet deposition, per cent of total precipitation amount analysed for a specific component (completeness for precipitation data), the number of data below the detection limit and total number of days with results, and a sampling flag which gives information about deviations from the EMEP sampling procedures.

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.

Concentrations less than zero may exist in the database for sulphate in precipitation corrected for sea-salt. This occurs whenever the sea-salt contribution is larger than the total sulphate concentration, and it is caused by random errors in the results. The negative values have been included in the estimation of the weighted arithmetic mean values.

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. If the data come from a random sample of independent data in a normal distribution, about 95% of the data will lie between

$$\overline{c_a} - 2sd_a \; and \; \overline{c_a} + 2sd_a$$

and between

$$\frac{\overline{c_g}}{sd_g^2} \; and \; \overline{c_g} \cdot sd_g^2$$

if the data come from a lognormal distribution. The minimum, maximum, 5 and 95 percentiles are also presented in Annex 3. As a measure of the completeness of the dataset, the percentage of samples analysed in the period has been printed.

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

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

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

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

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

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

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

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

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

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

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

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

$$sdlnc = \left(\frac{\sum_i \left(lnc_i - \overline{lnc} \right)^2}{N - 1} \right)^{\frac{1}{2}}$$

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

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

5% — is the 5 percentile computed from the histogram of the daily results. The data have been divided into 30 classes of equal size with the addition of two extreme classes. The 5 percentile has been computed by linear interpolation of the two closest class marks. The percentile has been computed for air components only.

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

95% — is the 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.

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.

% anal — for precipitation components this is the percent of the total precipitation reported analysed for a specific component, and for air components based on the number of days with data.

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

Num day — is the number of days with measurements for a specific component.

QA flag — is the quality flag described in section 9.

Samp flag — is a one character code which gives information about routinewise deviation from the EMEP sampling length and frequency. The code used in this report is:

W: weekly sampling

The units used for the results in this report are given in Table 3 and Table 4.

Table 3: Units used for precipitation components.

Precipitation components	Units for W. mean, Min Max	Units for depositions
Amount	mm	mm
SO_4^{--}	mg S/l	mg S/m^2
NO_3^-	mg N/l	mg N/m^2
Cl^-	mg Cl/l	mg Cl/m^2
NH_4^+	mg N/l	mg N/m^2
H^+	µe H^+/l	µe H^+/m^2
pH	pH-units	µe H^+/m^2
Na^+	mg Na/l	mg Na/m^2
Mg^{2+}	mg Mg/l	mg Mg/m^2
K^+	mg K/l	mg K/m^2
Ca^{2+}	mg Ca/l	mg Ca/m^2

Table 4: Units used for air components.

Air components	Units for arithmetic and geometric mean values, arithmetic standard deviations, Min., Max, percentiles.
SO_2	µg S/m^3
NO_2	µg N/m^3
HNO_3	µg N/m^3
NH_3	µg N/m^3
SO_4^{2-}	µg S/m^3
NO_3^-	µg N/m^3
NH_4^+	µg N/m^3
H^+	ne H^+/m^3
SPM	µg/m^3
$HNO_3 + NO_3^-$	µg N/m^3
$NH_3 + NH_4^+$	µg N/m^3

The start hours for the sample collections for the period covered by this report are given in Table 5.

Table 5: Start hours for sampling (GMT) in 1998.

Site	Prec.	Air	Site	Prec.	Air
AT 2	08	-	HR 2	06	06
AT 3	08	-	HR 4	06	06
AT 4	08	-			
			HU 2	07	07
CH 1	-	08			
CH 2	08	08	IE 1	10	10
CH 3	-	08	IE 2	(1)	(1)
CH 4	-	08			
CH 5	-	08	IS 2	09	09
CS 1	07	07	IT 1	(1)	(1)
CS 3	07	07	IT 4	10	10
DE 1	07	00	LT15	09	09
DE 2	07	00			
DE 3	07	00	LV10	09	09
DE 4	07	00	LV16	-	09
DE 5	07	00			
DE 7	07	00	NL 9	07	07
DE 8	07	00	NL10	07	07
DE 9	07	00			
DE12	-	00	NO 1	07	07
DE14	-	00	NO 8	07	07
DE17	-	00	NO15	07	07
DE18	-	00	NO30	07	07
DE19	-	00	NO39	07	07
			NO41	07	07
DK 3	07	07	NO42	-	07
DK 5	07	07			
DK 8	07	07	PL 2	06	06
			PL 3	06	06
ES 1	07	07	PL 4	06	06
ES 2	07	07	PL 5	06	06
ES 3	07	07			
ES 4	07	07	PT 1	09	-
ES 5	07	07	PT 3	09	-
ES 6	07	07	PT 4	09	09
FI 4	06	06	RU 1	(1)	(1)
FI 9	06	06	RU13	(1)	(1)
FI17	06	06	RU14	(1)	(1)
FI22	06	06	RU16	(1)	(1)
FR 3	09	09	SE 2	06	06
FR 5	09	09	SE 5	06	06
FR 8	09	09	SE 8	-	06
FR 9	09	09	SE11	06	06
FR10	09	09	SE12	06	06
FR11	09	09	SE13	-	09
FR12	09	09			
			SK 2	07	07
GB 2	07	07	SK 4	07	07
GB 4	-	07	SK 5	07	07
GB 6	07	07	SK 6	07	07
GB 7	-	07			
GB13	07	07	TR 1	00	00
GB14	07	07			
GB15	07	70	YU 5	(1)	(1)
GB16	-	07	YU 8	(1)	(1)
GR1	-	00			

(1) : Not reported

12. 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 users make certain that they have access to the most recent version of the database. For the data presented here the latest alteration was 20 June, 2000.

Scientific use of the EMEP data should be based on fresh copies of the data. Copies can be requested from the CCC (e-mail: anne-gunn.hjellbrekke@nilu.no). Information about the EMEP network and measurement data can also be found at http://www.emep.int and http://www.nilu.no/projects/ccc/index.html

13. References

A list of data reports from EMEP/CCC can be found in Annex 4.

Berg T. and Hjellbrekke, A.-G. (2000) Heavy metals and POPs within the ECE region 1998. Kjeller, Norwegian Institute for Air Research (EMEP/CCC-Report 2/2000).

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15. List of participating institutions

Austria	Umweltbundesamt
Commission of the European Communities	Joint Research Center. Ispra Establishment
Croatia	Meteorological and Hydrological Service of Croatia
Czech Republic	Czech Hydrometeorological Institute
Denmark	National Environmental Research Institute
Finland	Finnish Meteorological Institute
France	l' Ecole des Mines de Douai Laboratories Wolff
Germany	Umweltbundesamt
Greece	Ministry of Environmental Physical Planning and Public Works
Hungary	Institute for Atmospheric Physics, Dep. for Air Chemistry
Iceland	The Icelandic Meteorological Office
Ireland	Meteorological Service H.Q. Environmental Protection Agency (EPA) Electricity Supply Board (ESB)
Italy	C.N.R. Istituto Inquinamento Atmosferico
Latvia	Latvian Hydrometeorological Agency
Lithuania	Institute of Physics
Netherlands	National Institute for Public Health and Environmental Protection (RIVM)
Norway	Norwegian Institute for Air Research (NILU)
Poland	Institute of Meteorology and Water Management Institute of Environmental Protection
Portugal	Ministério do ambiente e recursos naturais
Russian Federation	Institute of Global Climate and Ecology
Slovak Republic	Slovak Hydrometeorological Institute
Spain	Dirección General de Calidad y Evaluacíon Ambiental
Sweden	Swedish Environmental Research Institute (IVL)
Switzerland	Swiss Federal Laboratory of Testing Materials and Research (EMPA)
Turkey	Refik Saydam Centre of Hygiene
United Kingdom	AEA Technology
Yugoslavia	Federal Hydrometeorological Institute

Annex 1

Overview of sampling and analytical methods 1998

This Annex gives an overview of the sampling and analytical methods in use in the participating countries during 1998. The information given is mostly based on answered questionnaires issued by the CCC.

Table 1.1 shows the sampling techniques used for precipitation and aerosol components in the different countries. Table 1.2 shows the corresponding information for gases and Table 1.3 information on sampling for the sum of aerosols and gases.

Table 1.4 shows the analytical methods used for components in aerosols, for gases and for the sum of aerosols and gases. Several combinations of reagents can be used in the Griess method for measurements of nitrogen dioxide and in the data reports different combinations have been given different names, e.g. NEDA and ANSA in the past. Due to the increasing number of different reagent combinations, no distinction was made in 1998 between the different procedure which have all been referenced to as Griess method in Tables 1.4 and 1.7.

Table 1.5 shows the methods used for components in precipitation.

Tables 1.6 to 1.15 give the code numbers for the methods used in Tables 1.4 and 1.5.

Table 1.1: Techniques for sampling of precipitation and for aerosols in 1998.

Country	Precipitation	Particulate sulphate	Particulate ammonium	Particulate nitrate
Austria	Wet only	Schleicher und Schüll TE 36 Membranfilter 0.45 µm, 47 mm diameter, 2.7 Nm^3/day	-	-
Croatia	Bulk	-	-	-
Czech Republic	Bulk and wet-only	Whatman 40 filter 6-8 m^3/day	Schleicher and Schüll TE36 0.45 µm 5 m^3/day	As for ammonium
Denmark	Wet-only	Mixed cellulose ester filter Millipore RAWP 1.2 µm 58 m^3/day	-	-
Estonia	Bulk	Whatman 40 filter 4-5 m^3/day at Lahemaa	-	-
Finland	Bulk	Whatman 40 filter 24 m^3/day	-	-
France	Wet-only	Whatman 40 filter 2.5 m^3/day	-	-

Table 1.1 cont.

Country	Precipitation	Particulate sulphate	Particulate ammonium	Particulate nitrate
Germany	Bulk	Schleicher & Shüll 589/2L filter 1.0 m^3/day	-	-
Greece	Wet only	Whatman 41 filter 1.1 m^3/day	-	-
Hungary	Wet only	Teflon filter, Schleicher & Schüll, 1 µm, 25 m^3/day	As for particulate sulphate	As for particulate sulphate
Iceland	Bulk	Whatman 40 filter 30 m^3/day	-	-
Ireland	Bulk (IE1) Wet only (IE2, IE3, IE4)	Whatman 40 filter 20-25 m^3/day (IE1) Gelman GN-6 Metricel filter 20 m^3/day (IE2, IE3, IE4)	-	-
Italy	Wet only	Teflon filter Gelman Zeflour 1 µ. 17 m^3/day	Teflon filter (as for sulphate) + phosphorous acid impregnated filter	As for sulphate + Nylasorb filter
Latvia	Bulk (LV16) Wet only (LV10 from July 1996)	Whatman 40 filter 14-20 m^3/day	Whatman 40 filter 18-28 m^3/day	As for particulate sulphate
Lithuania	Wet only	Whatman 40 filter, 24 m^3/day	As for particulate sulphate	As for particulate sulphate
Netherlands	Wet only	Whatman 42 filter 2.5 m^3/day Filter mounted behind denuder	As for particulate sulphate	As for particulate sulphate.
Norway	Bulk NILU-type	Teflon filter, Gelman Zefluor 2 µm 25 m^3/day	-	-
Poland	Bulk	Whatman 40 filter PL2,3,4:3.5-4 m^3/day PL 5: 3.5-5 m^3/day	As for particulate sulphate	As for particulate sulphate
Portugal	Bulk	Whatman 40 filter , 2.5-4.2 m^3/day	-	-
Russian Fed.	Bulk	Whatman 40 filter 10-15 m^3/day	As for particulate sulphate	As for particulate sulphate
Slovakia	Wet only	Whatman 40 filter 6-8 m^3/day	-	Whatman 40 filter 6-8 m^3/day

Table 1.1 cont.

Country	Precipitation	Particulate sulphate	Particulate ammonium	Particulate nitrate
Slovenia	-	Teflon filter, Gelman Zefluor 2 µm, 22 m^3/day	-	-
Spain	Wet only	Whatman GF/A filter 770 m^3/day	As for particulate sulphate	-
Sweden	Wet only	Teflon filter Gelman Zefluor 2 µm 20 m^3/day	-	-
Switzerland	Wet only	Schleicher & Schüll filter 589/4, 3.6 m^3/day (CH2,5), 4.1 m^3/day (CH1)	-	-
Turkey	Wet only	Whatman 40 filter 35 m^3/day	See sum of gases and aerosols	See sum of gases and aerosols
United Kingdom	Wet only. collector	Whatman 41 filter 1.1 m^3/day	-	NILU Sequential air sampler, type EK
Yugoslavia	Bulk	-	-	-
CEC (IT 4)	Wet only	Cellulose acetate 0.8 µm filter 12 m^3 day	As for particulate sulphate	As for particulate sulphate

Table 1.2: Techniques for sampling of gases in 1998.

Country	Sulphur dioxide	Nitrogen dioxide	Ammonia	Nitric acid
Austria	Instrumental: DOAS	DOAS	-	-
Croatia	Absorbing solution TCM, 1.6-2.5 m^3/day	Absorbing solution Trietanolamin 1.6-2.5 m^3/day	-	-
Czech Republic	KOH-impregnated Whatman 41 filter 6-8 m^3/day	Impregnated filter NaOH and guajacol Whatman 40 0.72 m^3/day	Oxalic acid imp. Whatman 41 filter 5 m^3/day	NaCl-impregnated Whatman 41 filter 0.72 m^3/day
Denmark	NaF-impregnated + KOH-impregnated Whatman 41 filters 58 m^3/day	KI-method (glass sinter) 0,7 m^3/day	-	-

Table 1.2 cont.

Country	Sulphur dioxide	Nitrogen dioxide	Ammonia	Nitric acid
Estonia	NaOH-impregnated Whatman 40 filter 4-5 m^3/day at Lahemaa Instrumental UV-fluorescens at Vilsandi	Absorbing tubes KI solution, 0.3 m^3/day at Lahemaa; Instrumental: chemiluminescence at Vilsandi	-	-
Finland	NaOH-impregnated Whatman 40 filter 24 m^3/day	Instrumental: chemiluminescence	-	-
France	Absorbing solution H_2O_2, 2.5 m^3/day	-	-	-
Germany	Absorbing solution TCM 1.0 m^3/day	Absorbing solution Saltzman 1 m^3/day		
Greece	Absorbing solution H_2O_2, 1.1 m^3/day	Absorbing solution TGS 1.1 m^3/day	-	-
Hungary	KOH-impregnated Whatman 40 filter, 25 m^3/day	Iodide method (impregnated glass sinter) 0.7 m^3/day	Diffusion tube. Coating: oxalic acid. 4 m^3/day	
Iceland	KOH-impregnated Whatman 40 filter 30 m^3/day	-	-	-
Ireland	KOH-impregnated Whatman 40 filter 20-25 m^3/day	Absorbing solution TGS 1.5-1.6 m^3/day	-	-
Italy	Diffusion tubes NaCl and Na_2CO_3 + glycerine 17 m^3/day	Instrumental: Chemilumin-escence	Diffusion tubes coated with phosphorous acid 17 m^3/day	Diffusion tubes NaCl 17 m^3/day
Latvia	NaOH-impregnated Whatman 40 filter 14-20 m^3/day	Absorbing KI solution in absorbing tubes with glass granules, 0.2-0.4 m^3/day	Whatman 40 filter 18-28 m^3/day	As for sulphur dioxide
Lithuania	KOH-impregnated Whatman 40 filter, 24 m^3/day	Absorbing solution KI; 0.72 m^3/day	-	-
Netherlands	Instrumental: UV-fluorescence	Instrumental: Chemilumin-escence	Absorption in $NaHSO_4$, membrane sepa-ration, conductivity measurement	-
Norway	KOH-impregnated Whatman 40 filter 25 m^3/day	Iodide method (impregnated glass sinter) 0.7 m^3/day	-	-

Table 1.2 cont.

Country	Sulphur dioxide	Nitrogen dioxide	Ammonia	Nitric acid
Poland	KOH-impregnated Whatman 40 filter PL2,3,4: 3.5-4 m^3/day PL 5: 35-5 m^3/day	Absorbing solution TGS PL2,3,4:0.7 m^3/day PL5: 0.3-0.7m^3/day	- -	- -
Portugal	Absorbing Solutions H_2O_2 2.5-4.2 m^3/day. Instrumental: UV-fluorescence at P4 only	Instrumental: Chemilumines-cence at P4 only		
Russian Federation	NaOH-impregnated Whatman 40 filter 10-15 m^3/day	Absorbing tubes KI 0.3 m^3/day		
Slovakia	KOH-impregnated Whatman 41 filter 6-8 m^3/day	Absorbing solution NaOH and guajacol 0.5 m^3/day	-	KOH-impregnated Whatman 41 filter 6-8 m^3/day
Slovenia	KOH-impregnated Whatman 40 filter, 22 m^3/day	-	-	-
Spain	Absorbing solution H_2O_2 2 m^3/day	Absorbing solution Trietanolamine 1 m^3/day	-	-
Sweden	KOH-impregnated Whatman 40 filter 20 m^3/day	NaI-impregnated glass sinters ~0.7 m^3/day	-	-
Switzerland	CH1: Absorbing solution H_2O_2 4.1 m^3/day CH2,3,4,5: Instrumental UV-fluorescence	Instrumental: Chemilumin-escence; Cranox at CH1	-	-
Turkey	Absorbing solution TCM 1 m^3/day	Absorbing solution Saltzman 1 m^3/day	See sum of gases and aerosols	See sum of gases and aerosols
United Kingdom	Absorbing solution H_2O_2 1.1m^3/day	Absorbing solution TGS 1.1 m^3/day	-	-
Yugoslavia	Absorbing solution TCM, 1.6-2.5 m^3/day	Absorbing solution TGS, 1.6-2.5 m^3/day	-	-
CEC (I4)	Instrumental UV-fluorescence	Instruemtal: Chemi-luminescence	-	-

Table 1.3: Techniques for sampling of sums of gases and aerosols in 1998.

	Ammonia and ammonium	Nitric acid and nitrate
Denmark	Aerosolfilter as for sulphate + Oxalic acid impregnated Whatman 41, 58 m^3/day	Aerosolfilter as for sulphate + NaF-impregnated Whatman 41, 58 m^3/day
Finland	Oxalic acid impregnated Whatman 40 filter, 24 m^3/day	Whatman 40 + NaOH impregnated Whatman 40 filter, 14-20 m^3/day
Hungary	-	KOH-impregnated Whatman 40 filter, 25 m^3/day
Latvia	Whatman 40 filter, 18-28 m^3/day	Whatman 40 + NaOH impregnated Whatman 40 filter, 24 m^3/day
Lithuania	Oxalic acid impregnated Whatman 40 filter, 16-17 m^3/day	KOH impregnated Whatman 40 filter, 16-17 m^3/day
Norway	Aerosolfilter as for sulphate + Oxalic acid imp. filter, 25 m^3/day	Aerosolfilter as for sulphate + KOH-imp.filter as for sulphur dioxide, 25 m^3/day
Poland	Oxalic acid impregnated Whatman 40 filter, 4 m^3/day	PL2,3,4: NaF impregnated Whatman 40 filter, 4 m^3/day PL5: NaOH impregnated Whatman 40 filter, 4 m^3/day
Russian Federation	Oxalic acid impregnated Whatman 40 filter 10-15 m^3/day	-
Slovenia	Aerosol filter as for sulphate + oxalic acid impregnated Whatman 40 filter, 22 m^3/day	Aerosol filter as for sulphate + oxalic acid impregnated Whatman 40 filter, 22 m^3/day
Spain	Oxalic acid impregnated Whatman 40 filter, 35 m^3/day	NaOH impregnated Whatman 40 filter, 35 m^3/day
Sweden	Aerosolfilter as for sulphate + Oxalic acid impregnated Whatman 40 filter, 20 m^3/day	Aerosolfilter as for sulphate + KOH impregnated Whatman 40 filter, 20 m^3/day
Switzerland	Citric acid impregnated Schleicher & Schüll 589/4 filter July-December 18 m^3/day	NaOH impregnated Schleicher & Schüll 589/4 filter, 18 m^3/day
Turkey	Oxalic acid impregnated Whatman 40 filter 35 m^3/day	KOH impregnated Whatman 40 filter 35 m^3/day
United Kingdom	Citric acid impregnated Whatman 40 filter, 25 m^3/day GB2 and GB14	NaOH impregnated Whatman 40 filter, 25 m^3/day GB2 and GB14

Table 1.4: Analytical methods used by the participants for components in aerosols, for gases, and for the sum of aerosol components and gases in 1998. Method numbers are given in Tables 1.6–1.9.

	SO_4	NH_3/NH_4	HNO_3/NO_3	SO_2	NO_2
Austria	1	-	-	12	5
Belgium	2	-	-	7	4
Croatia	-	-	-	6	3
Czech Republic	2	3	4	3	3
Denmark	10	3	4	1	3
Estonia	1	-	-	1 & 9	3 & 4
Finland	1	1	1	1	4
France	1	-	-	1	-
Germany	2	4	1	6	2
Greece	3	-	-	3	3
Hungary	1	3	1	1	3
Iceland	13	-	-	1	-
Ireland	1	-	-	1	3
Italy	1	1	1	1	4
Latvia	3	3	2	3	3
Lithuania	1	3	1	1	3
Netherlands	1	3	1	9	4
Norway	1	3/1	1	1	3
Poland	3/13#	2/3#	4/5#	3/13#	3
Portugal	1	-	-	1	4$
Russian Fed.	1	1	1	1/9*	3
Slovakia	1	-	1	1	3
Slovenia	1	1	1	1	
Spain	1	3	1	3	3
Sweden	1	4	1	1	3
Switzerland	2	1	1	1/9**	4
Turkey	?	3	1	6	2
United Kingdom	1	1	1	1	1
Yugoslavia	-	-	-	6	3
CEC (I4)	1	1	1	9	4

* 9 at RU1
** 1 at CH1
9 at CH2, CH3, CH4, CH5
# at PL5
$ at P4 only

Table 1.5: Analytical methods used by the participants for components in precipitation in 1998. Methods numbers are given in Tables 1.10–1.15.

	SO_4	NO_3	NH_4	H^+	Mg	Na	Cl	Ca	K
Austria	1	1	1	-	1	1	1	1	1
Belgium	1	1	1	-	3	1	1	3	1
Croatia	4	4	7	6	2	5	2	2	5
Czech Republic	1	1	4/6	6	6	4	1	6	4
Denmark	1	1	5	6	2	2	1	2	2
Estonia	1	1	5	-	2	3	1	3	3
Finland	1	1	1	6	1	1	1	1	1
France	1	1	4	6	1	1	1	1	1
Germany	1	1	4	-	3	6	1	3	6
Greece	3	5	5	-	-	3	2	3	3
Hungary	1	1	5	3	2	5	1	2	5
Iceland	1	-	-	-	-	5/7##	-	-	-
Ireland	1	1	1	-	1	1	1	1	1
Italy	1	1	1	-	1	1	1	1	1
Latvia	1	1	5	-	2	2	2	7	2
Lithuania	1	1	5	6	2	2	1	2	2
Netherlands	1	1	6	5	8	7	1	8	7
Norway	1	1	1	-	1	1	1	1	1
Poland	1/6#	1/8#	3/5#	-	2/7#	5/7#	1/5#	2/7#	5/2#
Portugal	1	1	5	-	1	1	1	1	1
Russian Federation	1	1	1	-	2	1	1	3	1
Slovak Republic	1	1	1	-	1	1	1	1	1
Spain	1	1	5	6	3	3	1	3	6
Sweden	1	1	4	6	1	1	1	1	1
Switzerland	1	1	1	-	1	1	1	1	1
Turkey	1	1	5	6	2	5	1	2	5
United Kingdom	1	1	1	6	1	1	1	1	1
Yugoslavia	2	2	5	-	2	5	2	2	5
CEC (I4)	1	1	1/5	6	1/2	1/2	1	1/2	1/2

\# At PL5 only
from 1 Oct. 1998 new method

Table 1.6: Methods used for analysing sulphur dioxide and sulphate in particles.

Ion chromatography	SO_2	SO_4	1
X-ray fluorescence (XRF)		SO_4	2
Thorin	SO_2	SO_4	3
Ring-oven technique		SO_4	4
Isotopic dilution method	SO_2	SO_4	5
Pararosanilin method	SO_2		6
Flame photometry	SO_2		7
Sulfonazo III, automatic,	SO_2	SO_4	8
UV-fluorescence	SO_2		9
Proton Induced X-ray Emission (PIXE)		SO_4	10
Nephelometry (barium sulphate)	SO_2	SO_4	11
DOAS	SO_2		12
Plasma emission spectrometry		SO_4	13

Table 1.7: Methods used for analysing nitrogen dioxide.

Ion chromatography	1
Saltzman	2
Griess method	3
Chemiluminescence	4
DOAS	5

Table 1.8: Methods used for determination of ammonium in aerosols, ammonia, and the sum of ammonium and ammonia.

Ion chromatography	1
Spectrophotometric, Chloramin T	2
Spectrophotometric, Indophenol method	3
Flow Injection Analysis	4

Table 1.9: Methods used for determination of nitrate in aerosols, nitric acid, and the sum of nitrate and nitric acid.

Ion chromatography	1
Spectrophotometric, Griess after Cd reduction	2
Spectrophotometric, Nitration of sodium salicylate	3
Spectrophotometric, Griess after hydrazine reduction	4

Table 1.10: Methods used for determination of sulphate in precipitation.

Ion chromatography	1
Thorin	2
Isotope dilution	3
Turbidity/Nephelometry (barium sulphate)	4
Sulfonazo III	5

Table 1.11: Methods used for determination of nitrate in precipitation.

Ion chromatography	1
Spectrophotometric Griess method, Cd reduction	2
Spectrophotometric, Flow injection analysis	3
UV-spectrophotometric	4
Other spectrophotometric	5
Griess method, Hydrazine reduction	6
Nesslers method after reduction	7

Table 1.12: Methods used for determination of ammonium in precipitation.

Ion chromatography	1
Spectrophotometric, Nesslers method	2
Spectrophotometric, Chloramin T	3
Spectrophotometric, Flow injection analysis	4
Spectrophotometric, Indophenol method	5
As method 5, using sodium salicylate instead of phenol	6
Gas sensitive electrode	7

Table 1.13: Methods used for determination of strong acid in precipitation.

Coulometric titration method	1
As above, but automatic plotting of Gran's function	2
Alkali titration	3
Gran's plot titration	4
Acid and alkali titration	5
Calculated from pH	6

Table 1.14: Methods used for determination of magnesium and calcium in precipitation.

Ion chromatography	1
Atomic absorption method	2
As method 2 + addition of lanthanium	3
As method 2 + addition of cesium	4
As method 2 + addition of potassium	5
As method 2 + addition of lanthanium, cesium and 8-Chynolynol	6
Atomic emission method	7
Plasma emission spectrometry	8

Table 1.15: Methods used for determination of sodium and potassium in precipitation.

Ion chromatography	1
Atomic emission method	2
As method 2 + addition of cesium	3
As method 2 + addition of lanthanium, cesium and 8-Chynolynol	4
Atomic absorption method	5
As method 5 + addition of cesium	6
Plasma emission spectrometry	7

Table 1.16: Methods used for determination of chloride in precipitation.

Ion chromatography	1
Spectrophotometric, mercury thiocyanate/iron method	2
Ion selective electrode	3
Setpoint titration	4

Annex 2

Monthly mean concentrations in gases and aerosols

Table 2.1: Monthly arithmetic averages of sulphur dioxide in 1998. (Unit: µg S/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	7.79	3.82	3.76	2.18	2.10	1.49	1.46	1.76	2.04	1.84	4.95	7.07	D
AT0004R	0.24	0.77	0.90	0.34	0.65	0.38	0.34	0.43	0.34	0.25	0.83	0.44	D
AT0005R	0.44	1.36	1.74	1.03	0.96	0.43	0.50	0.48	0.43	0.53	0.85	1.08	D
CH0001G	0.18	0.07	0.09	0.15	0.09	0.07	0.10	0.08	0.10	0.04	0.21	0.12	D
CH0002R	1.21	1.28	1.14	0.69	0.76	0.47	0.55	0.42	0.45	0.56	1.22	0.95	D
CH0003R	1.65	1.52	1.30	0.76	0.68	0.40	0.56	0.66	0.38	0.69	1.35	1.41	D
CH0004R	0.83	1.05	0.97	0.47	0.75	0.42	0.53	0.59	0.38	0.26	0.84	0.76	D
CH0005R	0.64	0.64	0.68	0.41	0.45	0.29	0.33	0.36	0.22	0.24	0.64	0.48	D
CZ0001R	3.63	5.66	2.52	2.09	1.47	1.07	1.85	2.45	1.53	1.27	3.65	6.34	B
CZ0003R	4.11	2.84	3.97	1.85	2.21	1.75	2.60	1.53	1.60	1.87	3.86	4.76	B
DE0001R	0.96	0.96	0.67	0.59	0.41	0.34	0.32	0.39	0.39	0.26	0.93	0.76	C
DE0002R	1.19	2.07	1.22	0.59	0.37	0.36	0.26	0.42	0.67	0.73	1.54	1.79	C
DE0003R	0.37	0.12	0.46	0.07	0.11	0.05	0.06	0.08	0.07	0.07	0.39	0.28	C
DE0004R	2.05	2.10	1.02	0.78	0.77	0.37	0.40	0.48	0.65	0.54	1.54	1.83	C
DE0005R	1.21	1.40	1.09	0.23	0.55	0.09	0.25	0.11	0.23	0.09	1.99	0.76	C
DE0007R	0.89	1.43	1.10	0.84	0.33	0.17	0.22	0.55	0.74	0.94	2.82	1.99	C
DE0008R	1.71	1.23	0.91	0.38	1.49	0.21	0.20	0.38	0.72	0.74	1.44	1.32	C
DE0009R	0.63	1.18	0.87	0.74	0.52	0.36	0.29	0.51	0.75	0.27	2.19	2.44	C
DK0003R	0.57	0.65	0.90	0.70	0.55	0.36	0.21	0.31	0.54	0.21	1.18	0.92	A
DK0005R	0.87	1.17	0.80	0.95	0.75	0.54	0.41	0.46	0.71	0.45	1.79	1.33	A
DK0008R	0.68	0.43	0.81	0.90	0.75	0.46	0.41	0.45	0.53	0.23	1.40	1.20	A
EE0011R	-	-	-	-	-	0.12	0.09	0.09	0.14	0.13	0.82	0.72	D
ES0001R	0.98	1.59	0.79	0.43	0.25	0.43	1.98	1.38	0.44	0.29	0.42	1.21	B
ES0003R	0.79	1.84	0.47	0.87	0.45	0.99	1.18	0.93	0.40	0.32	1.10	0.56	B
ES0004R	0.83	2.03	0.35	0.50	0.35	0.97	1.32	0.51	0.70	0.27	0.56	1.14	B
ES0005R	0.53	1.87	0.91	0.25	0.68	0.53	0.91	1.66	0.25	0.31	0.25	2.18	B
ES0006R	0.43	2.37	1.51	0.60	0.35	0.99	1.22	1.85	0.25	0.38	0.56	0.42	B
ES0007R	0.40	1.85	0.34	0.48	0.34	0.29	0.95	1.04	0.41	0.64	0.52	0.56	B
FI0009R	0.51	1.09	0.82	0.74	0.44	0.30	0.29	0.18	0.30	0.24	1.01	0.74	B
FI0017R	0.89	2.67	1.71	1.34	0.52	0.39	0.25	0.26	0.31	0.48	1.84	1.53	B
FI0022R	1.03	2.49	1.34	0.75	0.18	0.24	0.12	0.16	0.17	0.11	0.72	0.55	B
FI0037R	0.55	1.50	0.98	0.68	0.14	0.15	0.07	0.05	0.14	0.10	0.55	0.61	B
FR0003R	1.42	1.00	0.61	0.40	0.69	0.56	0.43	0.76	0.42	0.40	0.42	0.60	B
FR0005R	0.51	0.57	0.38	0.52	1.50	0.44	0.67	1.15	0.74	0.66	0.94	0.69	B
FR0008R	1.17	1.44	1.06	0.43	0.86	0.56	0.65	0.91	0.44	0.31	0.89	0.78	B
FR0009R	1.93	2.26	1.72	0.74	1.25	0.66	0.83	1.25	0.58	0.57	1.88	1.52	B
FR0010R	0.82	1.07	0.79	0.54	0.79	0.61	0.53	0.66	0.53	0.38	0.81	0.80	B
FR0011R	0.22	0.50	0.58	-	-	-	-	-	-	-	-	-	B
FR0012R	0.47	0.93	0.65	0.51	0.52	0.78	0.69	0.83	0.62	0.49	0.58	0.64	B
FR0013R	0.49	0.59	0.44	0.45	0.47	0.41	0.56	0.47	0.29	0.39	0.50	0.57	B
FR0014R	-	-	-	0.44	0.50	0.36	0.38	0.57	0.26	0.27	0.38	0.36	B
GB0002R	0.67	0.34	0.54	0.71	0.70	0.46	0.28	0.39	0.78	0.39	0.71	0.54	B
GB0004R	3.42	3.21	2.59	1.76	1.85	1.10	1.69	1.47	1.62	1.73	2.08	1.74	B
GB0006R	0.34	0.30	0.30	0.38	0.38	0.31	0.21	0.23	0.43	0.31	0.28	0.31	B
GB0007R	2.10	1.62	1.16	0.36	0.99	0.51	0.62	0.74	0.74	0.69	1.20	1.20	B
GB0013R	1.51	0.83	0.74	0.61	1.50	0.57	0.96	0.70	0.55	0.48	0.48	0.44	B
GB0014R	5.12	2.09	2.89	2.22	1.88	1.78	0.98	0.60	1.86	0.77	0.40	0.42	B
GB0015R	1.37	0.80	0.65	0.53	1.50	0.57	0.47	0.47	0.55	0.48	0.48	0.41	B
GB0016R	0.92	0.42	0.48	0.64	0.31	0.39	0.23	0.35	0.52	0.24	0.67	0.63	B
HU0002R	4.41	7.88	4.67	1.92	1.95	2.24	2.27	2.60	2.25	1.97	5.10	12.24	A
IE0002R	1.23	0.46	0.27	0.15	0.30	0.12	0.07	0.16	0.32	0.30	0.08	0.34	B
IT0001R	0.80	0.94	0.87	0.56	0.54	0.67	0.90	0.96	0.58	0.43	0.54	0.55	A
IT0004R	1.26	1.47	1.88	0.88	0.77	0.76	0.58	0.50	0.57	0.62	1.64	2.02	D
LT0015R	1.37	1.25	1.60	0.85	0.72	0.21	0.47	0.44	0.59	0.78	1.70	2.69	A
LV0010R	1.11	0.78	0.28	0.40	0.23	0.43	0.52	0.32	0.88	0.41	0.26	0.12	B
LV0016R	0.67	0.57	0.53	0.60	0.79	0.86	0.52	0.31	0.52	0.49	0.71	0.94	B
NL0009R	0.81	1.63	0.38	0.58	0.58	0.60	0.45	0.63	0.55	0.83	1.34	0.87	D
NL0010R	2.10	4.31	2.29	1.69	1.47	1.14	1.24	1.31	1.30	1.00	1.83	1.97	D
NO0001R	0.08	0.12	0.23	0.26	0.24	0.15	0.16	0.13	0.15	0.06	0.15	0.16	A
NO0008R	0.09	0.06	0.18	0.23	0.11	0.13	0.08	0.05	0.09	0.02	0.27	0.19	A
NO0015R	0.15	0.23	0.12	0.23	0.05	0.04	0.04	0.05	0.05	0.05	0.09	0.07	A
NO0039R	0.04	0.02	0.06	0.08	0.05	0.08	0.05	0.04	0.03	0.01	0.06	0.02	A
NO0041R	0.04	0.05	0.17	0.15	0.06	0.03	0.09	0.04	0.05	0.02	0.18	0.09	A
NO0042R	0.76	0.31	0.44	0.22	0.04	0.12	0.06	0.07	0.04	0.06	0.03	0.21	A
NO0055R	1.32	2.98	0.73	0.97	0.20	1.49	0.96	0.53	0.16	0.50	1.60	0.34	A

Table 2.1 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
PL0002R	4.35	4.42	-	2.31	1.75	1.70	1.46	1.30	1.28	2.90	4.59	8.03	B
PL0003R	1.72	1.60	1.73	1.69	1.22	1.35	1.65	1.42	1.54	1.66	1.85	1.75	B
PL0004R	2.33	1.11	1.98	1.73	1.15	1.37	0.53	0.64	0.69	1.26	3.60	2.46	B
PL0005R	2.32	2.33	1.47	0.99	0.60	0.37	0.33	0.40	0.69	1.35	2.08	4.04	A
RU0001R	1.42	2.40	0.70	0.90	0.46	0.80	2.80	0.39	1.11	3.13	1.68	0.86	B
RU0013R	0.41	1.02	0.61	0.86	0.24	0.29	0.58	-	-	0.24	0.09	0.42	B
RU0016R	1.20	1.66	2.23	2.17	0.75	0.76	0.66	0.66	0.59	0.61	1.67	1.94	B
SE0002R	0.60	0.60	0.71	0.65	0.66	0.56	0.54	0.46	0.38	0.27	0.91	0.89	A
SE0005R	0.10	0.27	0.17	0.25	0.04	0.07	0.04	0.04	0.04	0.03	0.13	0.03	A
SE0008R	0.84	0.60	0.49	0.73	0.59	0.55	0.43	0.36	0.46	0.34	1.83	1.12	A
SE0011R	0.79	1.02	0.81	0.73	0.53	0.28	0.41	0.35	0.33	0.31	1.56	1.44	A
SE0012R	0.31	0.30	0.42	0.58	0.27	0.19	0.22	0.12	0.21	0.18	0.55	0.51	A
SI0008R	2.31	1.61	1.95	0.86	0.67	0.69	0.53	0.60	0.58	0.35	2.10	2.03	A
SK0002R	0.61	0.65	1.42	1.01	0.69	0.60	0.50	1.03	0.83	0.73	1.28	0.31	B
SK0004R	1.77	2.70	2.15	1.90	0.85	0.84	0.83	0.90	1.03	1.18	2.71	4.09	B
SK0005R	-	-	-	2.70	1.79	1.06	1.13	1.45	1.19	2.50	10.41	15.89	B
SK0006R	4.88	6.31	2.68	1.84	1.12	1.01	1.00	1.52	1.26	2.15	3.29	7.43	B
TR0001R	2.51	1.59	1.55	0.58	0.15	0.12	0.74	0.56	0.54	-	-	-	C
YU0005R	4.75	10.50	8.68	4.70	4.10	3.40	3.09	3.57	3.41	-	3.11	3.00	D
YU0008R	3.49	5.08	5.45	3.51	3.23	3.36	2.52	2.79	2.90	2.55	3.78	5.74	D

Table 2.2: Sulphur dioxide 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	41	85	100	100	100	100	100	100	96	90	76	25	D
AT0004R	41	67	35	20	58	13	22	80	80	38	46	35	D
AT0005R	12	39	48	43	41	20	51	54	43	61	30	54	D
CH0001G	100	100	100	100	100	93	96	87	100	67	86	100	D
CH0002R	100	100	96	100	100	100	100	100	96	100	100	100	D
CH0003R	100	85	90	100	100	100	100	100	100	100	100	100	D
CH0004R	87	100	93	100	100	100	100	100	100	100	100	100	D
CH0005R	100	100	100	100	100	100	100	100	100	100	100	100	D
CZ0001R	100	100	100	96	100	100	100	100	100	100	100	100	B
CZ0003R	100	100	96	100	100	100	100	100	96	100	96	100	B
DE0001R	96	100	100	100	96	100	100	90	100	100	100	93	C
DE0002R	96	100	96	93	100	93	93	96	96	100	96	96	C
DE0003R	100	100	100	100	100	100	100	100	100	100	100	100	C
DE0004R	100	100	100	100	100	100	100	100	100	100	100	100	C
DE0005R	100	100	100	100	100	100	100	100	100	100	33	100	C
DE0007R	100	100	100	100	100	100	100	100	100	100	93	100	C
DE0008R	100	100	100	100	100	100	100	100	100	100	96	100	C
DE0009R	96	100	100	100	100	100	100	100	100	100	100	100	C
DK0003R	100	100	100	100	100	100	100	100	100	100	100	100	A
DK0005R	100	100	93	100	100	100	100	100	100	100	100	100	A
DK0008R	100	96	93	100	100	100	100	100	100	100	96	96	A
EE0011R	0	0	0	0	0	46	100	100	100	100	96	100	D
ES0001R	100	100	100	100	100	83	100	100	100	100	100	100	B
ES0003R	100	82	70	100	100	100	100	100	100	77	100	100	B
ES0004R	87	100	100	96	100	100	100	64	100	100	53	100	B
ES0005R	35	71	100	63	90	53	77	100	100	100	30	64	B
ES0006R	100	53	96	96	100	100	100	77	100	93	96	77	B
ES0007R	100	100	100	100	100	53	100	100	100	80	100	100	B
FI0009R	96	100	100	100	100	100	100	100	100	93	100	96	B
FI0017R	100	100	100	100	100	100	77	100	100	100	100	100	B
FI0022R	93	100	100	100	100	100	100	100	90	100	100	100	B
FI0037R	93	100	100	100	100	100	93	100	100	100	96	100	B
FR0003R	96	100	100	100	100	100	100	96	90	100	76	100	B
FR0005R	100	100	100	100	100	100	100	100	80	100	100	100	B
FR0008R	100	100	100	100	100	93	100	93	100	100	100	100	B
FR0009R	100	100	100	100	100	100	100	100	100	100	100	100	B
FR0010R	100	100	100	100	93	96	100	100	100	100	100	100	B
FR0011R	38	96	93	0	0	0	0	0	0	0	0	0	B
FR0012R	100	71	100	76	96	86	80	96	96	48	100	100	B
FR0013R	100	100	100	100	100	100	100	74	100	100	100	90	B
FR0014R	0	0	0	100	100	100	100	96	100	83	93	100	B

Table 2.2 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
GB0002R	100	100	100	100	100	100	100	100	100	100	100	96	B
GB0004R	100	96	100	100	100	100	100	96	100	100	93	100	B
GB0006R	74	100	96	100	100	100	70	70	100	100	93	67	B
GB0007R	100	100	74	53	87	100	87	100	100	100	100	100	B
GB0013R	87	89	77	70	100	96	41	58	96	93	90	87	B
GB0014R	100	100	100	100	100	100	100	100	100	100	100	93	B
GB0015R	96	92	90	83	100	96	100	96	96	93	90	93	B
GB0016R	100	100	100	100	90	100	100	100	100	100	100	87	B
HU0002R	100	100	100	86	41	100	96	100	86	100	100	70	A
IE0002R	100	100	100	100	100	100	100	100	100	100	100	100	B
IT0001R	58	100	100	100	100	100	100	100	100	100	100	93	A
IT0004R	100	100	100	100	100	100	100	100	100	100	100	100	D
LT0015R	100	92	96	100	100	100	100	100	100	96	100	100	A
LV0010R	96	96	100	100	100	93	100	100	80	100	96	100	B
LV0016R	58	39	74	100	96	83	93	80	56	83	93	100	B
NL0009R	100	100	96	100	100	100	100	100	100	38	10	100	D
NL0010R	100	100	100	100	87	100	100	100	100	3	56	100	D
NO0001R	100	57	74	100	100	96	96	100	100	93	100	100	A
NO0008R	100	100	100	100	100	76	100	100	100	100	100	100	A
NO0015R	100	100	100	100	90	86	100	100	100	100	100	70	A
NO0039R	100	100	100	100	90	100	100	100	96	100	100	100	A
NO0041R	100	100	100	100	93	100	100	100	100	100	100	100	A
NO0042R	93	100	100	96	32	63	100	100	100	100	90	100	A
NO0055R	96	71	83	100	100	76	93	100	96	96	100	100	A
PL0002R	100	100	0	100	100	96	100	93	100	100	100	100	B
PL0003R	93	100	100	100	93	100	100	100	100	100	100	90	B
PL0004R	100	100	100	83	93	100	100	100	100	100	100	100	B
PL0005R	100	100	96	100	100	93	93	96	96	100	100	93	A
RU0001R	80	92	90	83	77	100	83	67	46	19	100	100	B
RU0013R	51	60	35	56	38	50	19	0	0	22	33	16	B
RU0016R	70	100	93	100	96	93	100	29	86	54	96	87	B
SE0002R	93	100	93	80	100	70	100	96	100	96	100	87	A
SE0005R	100	100	100	100	100	100	100	96	100	100	100	100	A
SE0008R	100	100	100	96	77	93	100	100	100	100	90	100	A
SE0011R	100	100	100	96	100	100	90	38	93	67	90	100	A
SE0012R	100	100	96	100	100	96	100	58	96	100	100	96	A
SI0008R	100	100	100	100	100	96	100	96	96	100	96	93	A
SK0002R	100	100	96	100	100	100	96	100	100	100	100	100	B
SK0004R	100	100	100	93	100	96	100	100	100	100	100	100	B
SK0005R	0	0	0	100	100	90	96	100	100	100	100	100	B
SK0006R	100	100	100	100	100	96	93	100	100	100	100	100	B
TR0001R	67	82	100	100	96	46	54	100	66	0	0	0	C
YU0005R	80	82	96	100	96	93	100	83	53	0	50	67	D
YU0008R	100	100	100	100	87	100	100	96	96	100	100	100	D

Table 2.3: Monthly arithmetic averages of nitrogen dioxide in 1998. (Unit: µg N/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	5.78	3.14	1.82	1.85	2.78	2.90	3.59	4.03	3.75	3.45	4.80	5.06	D
AT0004R	0.94	1.38	1.15	0.62	0.77	-	0.57	0.79	1.17	0.88	1.82	1.18	D
AT0005R	1.91	0.54	1.00	0.66	0.46	0.41	0.44	0.53	0.53	0.80	1.13	1.41	D
CH0001G	0.17	0.06	0.09	0.21	0.06	0.04	0.06	0.06	0.09	0.12	0.08	0.07	A
CH0002R	5.71	8.65	5.66	4.10	4.16	3.44	3.35	3.46	4.41	4.50	7.61	8.75	C
CH0003R	6.23	8.41	5.02	3.68	3.73	2.37	2.68	3.38	3.80	3.79	6.48	7.50	C
CH0004R	2.27	2.71	2.45	2.09	2.14	2.31	2.00	2.06	2.43	1.75	2.29	2.01	C
CH0005R	2.45	3.15	2.95	2.09	2.68	1.87	2.02	2.29	2.32	2.09	2.51	2.13	C
CZ0001R	1.06	2.02	0.74	2.31	1.28	0.99	1.61	1.53	1.38	1.36	1.30	1.59	C
CZ0003R	2.44	3.28	1.88	1.62	1.38	1.49	2.81	2.62	1.61	1.87	2.08	2.82	C
DE0001R	3.95	3.48	2.30	2.04	1.51	1.28	1.00	0.98	1.83	1.72	5.32	4.38	D
DE0002R	3.40	5.19	2.23	1.91	1.59	1.77	1.57	1.63	1.77	2.25	4.59	4.64	D
DE0003R	1.22	1.13	1.41	0.98	1.23	1.02	1.07	1.09	0.95	1.01	1.13	1.13	D
DE0004R	2.62	2.88	2.22	1.69	1.74	1.48	1.55	1.67	1.83	2.13	3.30	3.44	D
DE0005R	1.93	2.60	1.70	1.56	1.35	1.33	1.36	1.58	1.31	2.18	3.10	2.78	D
DE0007R	2.73	3.54	1.62	1.54	1.23	1.30	1.27	1.26	1.44	1.91	3.44	3.86	D

Table 2.3 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
DE0008R	2.24	2.71	1.57	1.32	1.22	1.10	1.23	1.35	1.42	2.31	3.46	2.94	D
DE0009R	2.81	3.69	1.74	1.76	1.89	1.64	1.30	1.50	1.34	1.74	3.35	4.12	D
DK0008R	1.20	2.04	1.85	2.44	1.84	1.36	1.00	1.23	1.67	1.17	2.86	4.23	A
EE0009R	0.97	0.91	0.83	0.53	0.53	0.49	0.41	0.44	0.47	0.51	0.78	0.62	D
EE0011R	1.15	1.21	0.69	0.76	0.99	1.10	0.74	0.55	0.36	0.64	0.88	1.17	B
ES0001R	3.26	7.22	2.47	2.53	2.09	2.73	4.15	4.21	4.39	5.58	4.11	5.17	B
ES0003R	4.08	5.49	3.14	2.48	3.26	2.34	4.40	4.00	5.59	7.63	4.47	5.65	B
ES0004R	4.88	6.79	3.84	3.03	3.29	3.21	4.20	1.68	5.54	9.15	6.01	7.44	B
ES0005R	5.57	3.46	3.76	3.09	2.55	3.86	3.16	0.50	4.28	5.97	3.81	1.61	B
ES0006R	3.86	4.36	2.35	2.60	3.04	3.15	1.65	1.64	3.73	5.06	5.61	2.12	B
ES0007R	3.60	5.64	2.96	3.40	2.14	3.31	4.01	2.10	4.93	6.09	3.96	5.65	B
FI0009R	1.31	1.65	1.65	3.52	2.88	2.30	1.12	0.68	0.59	0.89	1.21	1.39	C
FI0017R	1.76	1.44	2.42	1.70	1.26	0.83	0.89	0.88	1.06	1.39	1.59	1.05	C
FI0022R	0.33	0.68	0.80	0.38	-	0.19	0.17	0.10	0.19	0.34	0.75	0.73	C
FI0037R	1.09	1.34	1.34	1.07	0.65	0.56	0.53	0.45	0.67	0.71	1.21	1.18	C
GB0036R	7.09	6.15	5.96	5.42	6.34	-	2.66	3.62	6.06	4.64	7.45	5.21	C
GB0037R	4.46	2.79	3.80	3.08	3.87	2.37	2.45	2.41	3.51	2.90	5.84	4.47	C
GB0038R	4.29	6.75	4.89	3.02	3.26	-	2.67	3.61	3.58	3.01	5.25	4.58	C
GB0043R	-	1.74	1.42	1.06	2.13	1.34	1.58	1.75	2.86	1.72	2.67	1.64	C
GB0045R	5.55	6.30	4.13	3.42	2.79	3.00	2.52	3.37	4.72	3.59	7.35	7.05	C
HU0002R	2.15	2.19	1.29	1.99	1.46	0.95	1.14	1.32	1.57	1.61	2.83	3.19	A
IT0001R	3.73	-	5.79	4.88	4.52	5.36	5.23	4.94	4.09	3.35	2.33	1.87	C
IT0004R	11.01	12.62	9.65	5.98	5.27	4.90	4.95	4.92	4.84	5.37	9.21	13.79	C
LT0015R	2.52	2.62	1.59	1.62	1.44	1.73	3.60	4.56	2.13	2.53	1.79	1.47	B
LV0010R	1.51	1.10	0.24	0.54	0.59	0.44	0.42	0.47	0.56	0.55	0.51	0.97	B
LV0016R	1.27	0.55	0.62	0.57	0.40	0.35	0.42	0.38	0.42	0.62	0.79	0.97	B
NL0009R	4.62	6.62	3.21	2.97	2.46	2.48	1.58	1.76	3.38	3.01	7.66	7.04	C
NL0010R	7.75	11.75	7.93	6.82	5.93	5.30	4.88	6.42	6.89	6.57	10.59	9.60	C
NO0001R	0.97	0.62	0.75	0.52	0.40	0.58	0.45	0.33	0.50	0.33	1.25	0.74	A
NO0008R	0.74	0.47	0.65	0.29	0.58	0.45	0.37	0.29	0.25	0.28	0.96	0.75	A
NO0015R	0.23	0.10	0.17	0.16	0.12	0.25	0.15	0.23	0.08	0.17	0.34	0.12	A
NO0039R	0.28	0.09	0.20	0.21	0.19	0.38	0.43	0.22	0.27	0.25	0.39	0.24	A
NO0041R	0.92	0.52	0.49	0.28	0.19	0.29	0.26	0.19	0.24	0.37	1.01	0.69	A
NO0055R	0.29	0.26	0.11	0.16	0.61	0.21	0.15	0.26	0.09	0.41	0.29	0.15	A
PL0002R	4.44	3.86	2.11	1.89	1.79	1.80	1.57	2.01	2.34	2.09	2.69	3.21	B
PL0003R	1.16	1.05	1.55	1.21	0.94	0.96	1.22	1.00	1.15	1.76	1.86	1.60	B
PL0004R	2.35	2.74	1.32	1.66	1.15	0.96	0.93	1.02	1.14	1.31	2.83	3.03	B
PL0005R	1.74	0.74	0.41	0.24	0.32	0.68	0.05	0.19	0.61	1.06	0.38	1.17	A
SE0002R	2.99	2.24	1.65	1.25	1.32	1.02	0.86	0.92	1.00	1.11	2.20	3.36	A
SE0005R	0.36	0.25	0.27	0.17	0.16	0.15	0.11	0.10	0.17	0.17	0.41	0.32	A
SE0008R	1.68	1.21	0.78	0.97	1.24	1.06	0.76	0.60	0.67	0.83	0.86	1.57	A
SE0011R	3.31	3.15	1.49	1.08	1.07	1.14	1.10	1.14	1.26	1.86	1.74	3.72	A
SE0012R	1.58	1.05	0.71	0.77	0.53	0.53	0.43	0.52	0.67	0.94	1.15	1.36	A
SK0002R	1.01	1.13	1.23	0.93	1.21	1.13	1.19	1.29	1.01	0.84	0.88	0.72	B
SK0004R	2.28	2.53	1.82	1.74	1.38	1.36	1.79	1.76	1.49	1.27	2.30	2.63	B
SK0005R	2.68	2.79	2.04	1.98	1.68	1.55	1.78	2.00	1.66	1.67	3.35	3.42	B
SK0006R	1.78	2.23	1.67	1.55	1.39	1.44	1.71	1.70	1.44	1.32	1.87	2.11	B
TR0001R	1.55	0.90	0.85	0.84	0.42	0.02	0.31	0.40	0.42	-	-	-	B
YU0005R	3.00	2.23	2.53	4.71	3.62	2.20	2.35	2.56	3.78	3.67	3.16	2.70	B
YU0008R	1.98	2.44	1.69	2.15	2.39	3.00	4.34	4.45	5.69	2.12	3.43	4.68	B

Table 2.4: Nitrogen dioxide 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	32	71	48	96	100	100	100	100	100	83	73	25	D
AT0004R	48	67	35	46	58	0	19	87	86	58	56	38	D
AT0005R	12	35	54	46	45	26	51	54	53	61	30	67	D
CH0001G	83	82	100	100	64	56	51	77	73	96	63	100	A
CH0002R	93	100	96	100	100	100	100	83	96	100	100	100	C
CH0003R	100	100	96	100	100	96	100	100	100	100	100	96	C
CH0004R	87	100	100	100	100	86	100	100	100	93	100	100	C
CH0005R	100	100	100	100	100	100	100	100	100	100	100	100	C
CZ0001R	90	92	93	93	93	100	100	100	90	64	83	100	C
CZ0003R	100	100	100	80	90	96	100	100	93	100	100	100	C
DE0001R	100	100	100	100	100	100	100	90	100	100	100	96	D
DE0002R	100	96	100	100	100	100	96	96	100	96	100	100	D
DE0003R	100	100	96	100	100	100	100	96	100	100	100	100	D

Table 2.4 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
DE0004R	100	100	100	100	100	100	100	100	100	100	100	100	D
DE0005R	100	100	100	100	100	100	100	100	100	100	100	100	D
DE0007R	100	100	100	100	100	100	100	100	100	100	100	100	D
DE0008R	100	100	100	100	100	100	100	100	100	100	96	93	D
DE0009R	96	100	100	100	100	100	100	100	100	100	100	100	D
DK0008R	96	96	90	100	100	76	61	77	100	90	100	93	A
EE0009R	100	100	100	100	100	96	100	96	100	96	100	100	D
EE0011R	100	100	100	100	100	100	100	100	100	100	66	100	B
ES0001R	100	100	100	86	80	100	100	100	100	100	100	100	B
ES0003R	100	100	100	53	100	26	80	100	100	77	100	100	B
ES0004R	100	100	77	100	100	100	100	67	100	100	100	100	B
ES0005R	22	71	77	93	100	53	100	54	63	67	93	45	B
ES0006R	100	92	100	100	93	100	100	77	80	87	96	93	B
ES0007R	100	100	100	100	100	100	100	100	100	87	100	100	B
FI0009R	100	100	100	100	100	100	100	100	100	100	100	100	C
FI0017R	83	67	100	100	100	100	96	93	100	100	100	100	C
FI0022R	100	100	100	36	0	93	100	100	100	100	100	100	C
FI0037R	93	96	100	100	54	90	83	93	100	100	100	100	C
GB0036R	87	53	100	80	100	0	83	100	100	35	90	96	C
GB0037R	58	92	90	100	100	100	100	100	100	100	100	87	C
GB0038R	64	100	90	90	41	0	58	100	100	100	93	100	C
GB0043R	0	100	90	73	74	36	87	100	100	87	70	77	C
GB0045R	83	96	74	86	100	90	96	100	93	83	86	70	C
HU0002R	100	100	100	100	100	100	100	100	96	100	100	100	A
IT0001R	100	0	100	100	100	40	100	93	93	100	100	80	C
IT0004R	100	100	100	100	100	100	100	100	100	100	100	100	C
LT0015R	100	96	100	100	96	70	77	96	100	87	50	100	B
LV0010R	93	96	100	100	100	100	100	100	93	100	96	100	B
LV0016R	58	39	74	100	100	100	100	100	100	100	93	100	B
NL0009R	100	100	100	100	100	100	100	100	100	100	100	100	C
NL0010R	96	100	100	100	64	100	67	100	73	96	100	100	C
NO0001R	100	96	100	100	100	100	93	100	100	100	100	100	A
NO0008R	100	100	100	100	100	100	100	100	96	100	100	100	A
NO0015R	100	100	100	93	100	100	100	93	100	100	100	100	A
NO0039R	100	96	100	100	100	100	100	100	100	100	100	100	A
NO0041R	96	100	100	100	100	96	90	100	100	96	100	96	A
NO0055R	100	100	100	100	100	96	100	96	100	100	100	77	A
PL0002R	100	100	96	100	96	96	100	90	100	100	100	90	B
PL0003R	93	100	100	100	93	100	100	100	100	100	100	90	B
PL0004R	100	100	100	73	93	100	93	100	100	100	100	100	B
PL0005R	100	100	96	93	100	93	100	100	90	100	100	93	A
SE0002R	100	96	96	100	100	100	100	96	100	100	100	100	A
SE0005R	100	100	100	100	100	100	100	100	100	100	100	100	A
SE0008R	100	78	100	96	96	96	100	100	100	96	100	100	A
SE0011R	100	100	96	100	100	100	90	61	100	61	90	100	A
SE0012R	100	100	100	100	100	100	100	100	96	100	93	100	A
SK0002R	100	100	96	66	100	96	96	100	100	96	100	100	B
SK0004R	100	100	100	100	100	100	100	100	100	100	100	100	B
SK0005R	100	100	96	100	100	100	96	100	100	100	100	100	B
SK0006R	100	100	100	100	100	100	96	100	100	100	100	100	B
TR0001R	67	82	100	100	100	46	61	100	66	0	0	0	B
YU0005R	83	85	100	96	100	86	100	100	100	93	100	90	B
YU0008R	87	100	100	100	100	90	83	96	96	100	100	96	B

Table 2.5: Monthly arithmetic averages of nitric acid in 1998. (Unit: µg N/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
CZ0001R	3.17	0.93	1.76	1.35	1.61	1.37	2.17	1.84	1.64	2.07	1.43	0.92	D
CZ0003R	2.75	0.95	1.13	1.07	0.58	0.68	1.81	1.52	0.73	1.23	2.00	0.84	D
IT0001R	0.04	0.09	0.09	0.12	0.15	0.21	0.27	0.28	0.17	0.07	0.04	0.03	A
SK0002R	0.05	0.06	0.04	0.07	0.06	0.08	0.10	0.10	0.11	0.05	0.09	0.10	D
SK0004R	0.09	0.09	0.10	0.06	0.06	0.08	0.06	0.06	0.06	0.04	0.11	0.13	D
SK0005R	-	-	-	0.06	0.07	0.16	0.11	0.04	0.08	0.07	0.13	0.10	D
SK0006R	0.39	0.69	0.35	0.19	0.16	0.17	0.13	0.10	0.17	0.23	0.33	0.57	D
TR0001R	0.07	0.05	0.09	0.10	0.07	0.06	0.09	0.10	0.09	-	-	-	D

Table 2.6: Nitric acid 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
CZ0001R	100	100	100	100	100	100	100	100	100	100	100	100	D
CZ0003R	100	100	96	100	100	96	96	100	100	100	100	100	D
IT0001R	58	100	100	100	100	100	100	100	100	100	100	93	A
SK0002R	100	100	96	100	100	100	96	100	100	100	100	100	D
SK0004R	100	100	100	93	100	96	100	100	100	100	100	100	D
SK0005R	0	0	0	100	100	90	96	100	100	100	100	100	D
SK0006R	100	100	100	100	100	96	93	100	100	100	100	100	D
TR0001R	67	82	100	100	96	46	54	100	66	0	0	0	D

Table 2.7: Monthly arithmetic averages of ammonia in 1998. (Unit: µg N/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
CZ0001R	2.04	1.85	1.83	1.66	1.68	2.75	3.00	7.30	2.97	1.93	2.51	1.71	D
CZ0003R	1.89	1.05	1.36	2.01	2.20	1.59	1.66	2.93	1.78	2.04	2.21	1.22	D
HU0002R	0.37	0.40	0.23	0.55	1.13	1.75	1.10	1.73	0.85	1.02	0.39	0.38	B
IT0001R	0.91	1.34	1.27	1.41	1.81	2.35	2.36	3.06	2.00	1.76	1.58	1.22	B
NL0010R	7.82	14.54	7.69	9.96	12.29	9.55	11.37	22.16	12.97	8.96	13.47	8.20	D
TR0001R	0.18	0.11	0.19	0.45	0.28	0.33	0.36	0.28	0.30	-	-	-	D

Table 2.8: Ammonia 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
CZ0001R	100	100	100	100	100	96	100	100	90	100	96	100	D
CZ0003R	100	100	100	100	100	100	100	100	100	100	100	100	D
HU0002R	96	96	100	96	93	70	87	100	83	93	96	96	B
IT0001R	58	100	100	100	100	100	100	100	100	100	100	93	B
NL0010R	90	85	74	73	54	70	100	74	63	70	93	64	D
TR0001R	67	82	100	100	100	46	61	100	66	0	0	0	D

Table 2.9: Monthly arithmetic averages of sulphate in aerosols in 1998. (Unit: µg S/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	1.33	0.97	0.54	0.78	1.03	0.64	0.63	0.79	1.09	0.81	1.65	1.95	A
CH0001G	0.06	0.05	0.10	0.17	0.25	0.18	0.27	0.23	0.15	0.04	0.07	0.05	A
CH0002R	0.92	1.02	0.83	0.52	0.99	0.61	0.81	0.73	0.70	0.42	0.93	0.96	A
CH0005R	0.41	0.48	0.56	0.52	0.90	0.54	0.69	0.68	0.54	0.28	0.44	0.29	A
CZ0001R	1.30	1.34	1.07	1.36	1.35	1.25	1.21	1.65	0.96	0.81	2.45	4.22	B
CZ0003R	1.19	1.08	1.62	1.47	1.50	1.20	1.25	1.46	1.57	1.08	1.75	1.53	B
DE0001R	0.73	1.31	0.89	0.94	0.79	0.88	0.73	0.71	1.19	0.67	1.17	1.13	B
DE0002R	0.65	1.19	0.70	0.75	0.88	0.74	0.62	0.60	0.84	0.54	1.17	0.83	B
DE0003R	0.33	0.38	0.40	0.32	0.72	0.43	0.54	0.54	0.45	0.71	0.54	0.34	B
DE0004R	0.68	0.79	0.61	0.46	0.90	0.50	0.60	0.64	0.60	0.30	0.63	0.50	B
DE0005R	0.67	0.82	0.69	0.69	0.87	0.64	0.63	0.83	0.77	0.61	0.93	0.83	B
DE0007R	0.61	1.04	0.56	0.74	0.69	0.54	0.46	0.48	0.88	0.46	1.53	0.98	B
DE0008R	0.51	0.71	0.53	0.45	0.80	0.56	0.48	0.62	0.55	0.28	0.60	0.54	B
DE0009R	0.45	0.89	0.42	0.66	0.59	0.56	0.41	0.37	0.82	0.40	1.61	0.98	B
DK0003R	0.64	0.82	0.66	1.28	1.02	1.15	0.79	0.64	1.38	0.42	1.36	0.92	A
DK0005R	0.67	1.05	0.72	1.18	1.20	1.28	0.98	0.73	1.62	0.68	1.37	1.10	A
DK0008R	0.54	0.67	0.65	1.13	0.99	0.93	0.88	0.65	1.45	0.47	1.28	0.89	A
ES0001R	0.32	0.82	0.95	0.35	0.70	0.83	0.98	1.24	0.70	0.66	0.45	0.49	B
ES0003R	0.80	1.62	2.07	0.78	1.80	1.73	0.21	1.83	1.25	0.95	0.96	0.98	B
ES0004R	0.85	1.34	1.61	0.63	1.71	1.70	1.44	1.20	1.19	0.84	0.62	1.09	B
ES0005R	0.36	0.84	0.93	0.33	1.68	1.23	1.11	2.34	0.77	0.71	0.51	0.94	B
ES0006R	0.76	1.20	1.21	1.02	1.87	1.67	1.75	1.75	1.50	1.00	1.00	1.08	B
ES0007R	0.43	0.50	0.83	0.60	1.13	1.53	1.65	1.61	1.34	0.67	0.65	0.98	B
FI0009R	0.69	0.84	0.77	1.11	0.58	0.66	0.61	0.40	0.58	0.41	0.99	0.85	A
FI0017R	0.93	1.02	0.91	1.19	0.64	0.69	0.67	0.47	0.58	0.47	1.07	1.12	A
FI0022R	0.43	0.52	0.55	0.62	0.31	0.28	0.32	0.36	0.32	0.19	0.71	0.50	A
FI0037R	0.56	0.69	0.63	0.78	0.35	0.35	0.38	0.30	0.50	0.26	0.91	0.69	A

Table 2.9 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
FR0003R	0.89	1.13	1.01	0.29	1.04	0.63	0.66	0.73	0.68	0.54	0.64	0.48	B
FR0005R	0.53	0.61	0.51	0.30	0.97	0.44	0.51	0.70	0.97	0.49	0.49	0.76	B
FR0008R	0.48	0.59	0.55	0.31	0.92	0.46	0.61	0.75	0.52	0.29	0.55	0.41	B
FR0009R	0.95	1.22	0.92	0.63	1.44	0.84	0.96	1.16	1.04	0.79	1.09	0.73	B
FR0010R	0.59	0.54	0.76	0.37	1.07	0.59	0.70	0.77	0.73	0.42	0.59	0.53	B
FR0011R	0.84	0.43	0.48	-	-	-	-	-	-	-	-	-	B
FR0012R	0.27	0.37	0.66	0.30	0.89	0.72	0.68	0.75	0.68	0.35	0.24	0.23	B
FR0013R	0.53	1.00	1.00	0.36	1.44	1.13	0.94	1.08	0.64	0.48	0.41	0.57	B
FR0014R	-	-	-	0.35	0.56	0.43	0.57	0.60	0.49	0.25	0.35	0.28	B
GB0002R	0.51	0.58	0.62	0.58	0.82	0.52	0.36	0.46	1.35	0.26	0.35	0.50	A
GB0004R	0.79	1.12	0.97	0.81	1.33	0.80	0.82	0.69	1.48	0.55	0.74	0.81	A
GB0006R	0.70	0.42	0.46	0.45	0.89	0.50	0.27	0.35	1.00	0.32	0.25	0.20	A
GB0007R	0.85	1.39	1.03	0.81	1.52	1.08	0.88	0.86	1.13	0.58	0.80	0.99	A
GB0013R	0.85	1.39	1.03	0.81	1.52	1.08	0.88	0.86	1.13	0.58	0.80	0.99	A
GB0014R	0.68	0.77	0.77	0.76	0.97	0.68	0.48	0.56	1.50	0.36	0.42	0.50	A
GB0015R	0.85	1.39	1.03	0.81	1.52	1.08	0.88	0.86	1.13	0.58	0.80	0.99	A
GB0016R	0.35	0.34	0.44	0.70	0.55	0.46	0.27	0.39	1.17	0.19	0.30	0.34	A
HU0002R	1.86	1.82	1.54	1.51	2.00	1.88	1.74	2.05	1.85	1.59	1.96	3.80	A
IE0002R	0.92	0.69	0.76	0.39	1.75	0.55	0.31	0.43	0.75	0.31	0.22	0.30	B
IE0003R	0.59	0.42	0.38	0.22	0.80	0.33	0.26	0.29	0.88	0.32	0.15	0.14	B
IE0004R	0.44	0.40	0.44	0.20	0.90	0.39	0.21	0.40	0.42	0.19	0.06	0.12	B
IS0002R	0.16	0.25	0.30	0.15	0.23	0.21	0.22	0.17	0.11	0.11	0.11	0.10	A
IT0001R	0.77	1.00	0.91	0.80	1.06	1.08	1.27	1.67	1.03	0.68	0.87	0.66	A
IT0004R	1.06	1.36	1.32	1.03	1.49	1.70	1.35	0.78	0.64	0.36	0.84	1.13	A
LT0015R	1.11	1.52	1.11	1.58	1.20	1.20	1.01	0.80	1.05	0.68	1.48	1.35	A
LV0010R	0.99	0.99	0.20	0.14	0.05	0.09	0.07	0.16	0.14	0.11	0.06	0.29	B
LV0016R	0.48	0.41	0.23	0.56	0.57	0.10	0.12	0.40	0.17	0.16	0.25	0.45	B
NL0009R	0.54	1.25	0.76	0.95	1.16	1.21	0.81	0.72	1.40	0.70	1.01	1.12	A
NL0010R	0.69	1.32	0.75	0.68	1.16	0.98	0.94	1.06	1.18	0.86	1.14	0.99	A
NO0001R	0.22	0.34	0.47	0.74	0.41	0.59	0.47	0.25	0.58	0.18	0.69	0.52	A
NO0008R	0.18	0.21	0.38	0.71	0.36	0.47	0.38	0.19	0.40	0.10	0.47	0.28	A
NO0015R	0.18	0.22	0.20	0.52	0.17	0.14	0.21	0.12	0.21	0.06	0.27	0.15	A
NO0039R	0.09	0.07	0.18	0.40	0.20	0.19	0.17	0.10	0.22	0.06	0.11	0.05	A
NO0041R	0.15	0.19	0.30	0.53	0.19	0.26	0.19	0.07	0.35	0.09	0.51	0.29	A
NO0042R	0.29	0.27	0.30	0.29	0.22	0.10	0.14	0.13	0.03	0.07	0.08	0.17	A
NO0055R	0.45	0.48	0.34	0.51	0.32	0.31	0.48	0.31	0.12	0.17	0.41	0.24	A
PL0002R	1.20	1.84	-	2.10	1.63	2.04	1.58	1.28	1.37	1.63	1.39	1.85	A
PL0003R	0.49	0.48	0.81	1.26	0.94	0.92	0.89	1.03	0.67	0.66	0.73	0.55	A
PL0004R	0.76	1.86	0.97	1.97	1.74	1.38	1.00	0.64	1.21	0.94	1.15	1.16	A
PL0005R	1.54	1.54	1.36	1.43	1.08	1.09	0.72	0.57	1.12	0.90	1.88	1.78	B
RU0001R	0.43	0.54	0.47	0.63	0.30	0.23	0.47	0.29	0.27	0.63	0.51	0.31	B
RU0013R	0.66	0.54	0.48	0.63	0.27	0.20	0.20	-	-	0.26	0.50	0.49	B
RU0016R	0.74	1.00	0.89	0.91	0.51	0.52	0.51	0.47	0.56	0.32	0.65	0.81	B
SE0002R	0.50	0.94	0.54	1.12	0.72	0.73	0.60	0.36	1.12	0.38	1.13	0.90	A
SE0005R	0.11	0.25	0.22	0.49	0.17	0.17	0.20	0.08	0.28	0.07	0.34	0.15	A
SE0008R	0.53	0.74	0.62	1.14	0.70	0.75	0.53	0.41	0.73	0.47	1.13	0.92	A
SE0011R	0.46	1.00	0.47	1.16	0.73	0.73	0.55	0.48	1.04	0.43	1.26	0.82	A
SE0012R	0.57	0.59	0.54	1.05	0.53	0.40	0.30	0.19	0.55	0.27	0.90	0.66	A
SI0008R	0.95	1.01	1.01	0.94	1.15	1.68	1.54	1.54	1.30	0.70	0.96	0.89	A
SK0002R	0.32	0.28	0.46	0.71	0.93	0.86	0.81	1.19	0.65	0.31	0.32	0.58	B
SK0004R	0.76	0.93	0.82	1.18	1.13	1.19	1.00	1.42	1.01	0.79	1.10	1.26	B
SK0005R	-	-	-	1.22	1.23	1.20	1.37	1.45	1.34	0.91	1.80	1.69	B
SK0006R	1.25	1.55	1.17	1.20	1.20	1.17	1.11	1.47	1.10	1.04	1.28	1.78	B
TR0001R	0.21	0.28	0.23	0.34	0.19	-	0.30	0.38	0.28	-	-	-	B

Table 2.10: Sulphate in aerosols 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	100	89	70	100	100	100	96	100	100	100	100	100	A
CH0001G	100	100	100	100	100	93	96	87	100	51	86	100	A
CH0002R	100	100	100	93	100	100	100	90	100	100	100	100	A
CH0005R	100	100	100	53	100	96	100	100	100	100	96	100	A
CZ0001R	100	100	100	96	100	100	100	100	100	100	100	100	B
CZ0003R	100	100	96	100	100	100	100	100	96	100	96	100	B
DE0001R	100	100	100	100	100	100	100	90	100	100	100	100	B
DE0002R	100	100	100	100	100	100	100	100	100	100	100	100	B
DE0003R	100	100	100	100	100	100	100	100	100	100	100	100	B
DE0004R	100	100	100	100	100	100	100	100	100	100	100	100	B
DE0005R	100	100	100	100	100	100	100	100	100	100	96	100	B

Table 2.10 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
DE0007R	100	100	100	100	100	100	100	100	100	100	100	100	B
DE0008R	100	100	100	100	100	100	100	100	100	100	96	100	B
DE0009R	96	100	100	100	100	96	100	100	100	100	100	87	B
DK0003R	100	100	96	100	100	100	100	100	100	100	100	100	A
DK0005R	100	100	100	100	100	100	100	100	100	100	100	100	A
DK0008R	100	96	93	96	100	100	100	100	100	100	96	96	A
ES0001R	80	96	96	100	93	66	100	100	96	96	86	100	B
ES0003R	90	100	100	100	93	100	100	77	96	70	100	100	B
ES0004R	100	67	100	100	96	93	87	64	93	96	76	67	B
ES0005R	58	92	83	70	12	46	83	64	70	67	80	45	B
ES0006R	100	96	93	100	100	100	96	77	96	96	96	87	B
ES0007R	100	96	100	93	96	80	100	80	30	48	30	100	B
FI0009R	100	100	100	100	100	100	100	100	100	93	100	96	A
FI0017R	100	100	100	100	100	100	96	100	100	100	100	100	A
FI0022R	93	100	100	100	100	100	100	100	90	100	100	100	A
FI0037R	93	100	100	100	100	100	93	100	100	100	100	100	A
FR0003R	96	100	100	100	100	100	100	96	90	100	76	100	B
FR0005R	100	100	100	100	100	100	100	100	80	100	100	100	B
FR0008R	100	100	100	100	100	93	100	93	100	100	100	100	B
FR0009R	100	100	100	100	100	100	100	100	100	100	100	100	B
FR0010R	100	100	100	100	96	100	100	100	100	100	100	100	B
FR0011R	38	100	93	0	0	0	0	0	0	0	0	0	B
FR0012R	100	71	100	76	96	86	80	96	96	48	100	100	B
FR0013R	100	100	100	96	100	100	100	74	100	100	100	90	B
FR0014R	0	0	0	100	100	100	87	96	100	83	93	100	B
GB0002R	100	100	100	100	100	100	100	100	100	100	100	96	A
GB0004R	100	100	100	100	100	100	100	100	100	100	93	100	A
GB0006R	77	100	96	100	100	100	96	90	100	100	90	96	A
GB0007R	100	100	74	53	87	100	87	100	100	96	100	100	A
GB0013R	100	100	74	53	87	100	87	100	100	96	100	100	A
GB0014R	100	100	100	100	100	100	100	100	100	100	100	93	A
GB0015R	100	100	74	53	87	100	87	100	100	96	100	100	A
GB0016R	100	100	100	100	90	100	100	100	100	100	100	87	A
HU0002R	100	100	100	86	41	100	96	100	86	100	100	100	A
IE0002R	96	100	100	100	100	100	100	100	100	100	100	100	B
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100	B
IE0004R	100	96	100	100	100	100	100	90	100	100	96	100	B
IS0002R	100	85	100	100	93	100	100	100	100	100	100	96	A
IT0001R	58	100	100	100	100	100	100	100	100	100	100	93	A
IT0004R	100	100	100	100	100	100	100	100	100	100	100	100	A
LT0015R	100	96	100	100	100	100	100	100	100	100	100	100	A
LV0010R	96	96	100	100	100	96	100	96	90	93	70	100	B
LV0016R	58	39	74	100	100	96	100	96	96	100	93	100	B
NL0009R	100	100	96	100	100	96	100	100	96	100	100	96	A
NL0010R	100	100	100	100	100	96	100	96	100	100	100	100	A
NO0001R	96	57	74	100	100	96	100	100	100	93	100	100	A
NO0008R	100	100	100	76	100	100	100	100	100	96	100	96	A
NO0015R	100	100	100	100	100	100	100	100	100	100	100	70	A
NO0039R	100	100	100	100	90	100	96	100	96	100	100	100	A
NO0041R	100	100	100	100	93	100	100	100	100	100	100	100	A
NO0042R	93	100	100	96	32	63	100	100	100	100	90	100	A
NO0055R	96	96	100	100	87	76	93	100	96	100	100	100	A
PL0002R	100	100	0	100	100	96	100	93	100	100	100	100	A
PL0003R	93	100	100	100	93	100	100	100	100	100	100	90	A
PL0004R	100	100	100	83	93	83	100	100	100	100	100	100	A
PL0005R	100	100	93	100	100	100	96	100	100	100	96	96	B
RU0001R	80	92	90	83	77	100	83	67	46	19	100	100	B
RU0013R	51	60	35	56	38	50	19	0	0	22	33	16	B
RU0016R	70	100	93	100	96	93	100	29	86	54	96	87	B
SE0002R	93	100	100	80	100	70	100	96	100	96	100	87	A
SE0005R	100	100	100	100	100	100	100	96	100	100	100	100	A
SE0008R	100	100	96	96	77	96	100	100	100	100	90	100	A
SE0011R	100	100	100	96	100	96	90	38	96	67	90	100	A
SE0012R	100	100	100	86	100	96	100	58	96	100	100	96	A
SI0008R	100	100	100	100	100	96	100	96	96	100	96	93	A
SK0002R	100	100	96	100	100	96	100	100	100	100	100	100	B
SK0004R	100	100	100	93	100	93	100	100	100	100	100	100	B
SK0005R	0	0	0	100	100	90	96	100	100	100	96	100	B
SK0006R	100	100	100	100	96	100	93	100	86	96	100	100	B
TR0001R	67	82	100	100	96	0	61	96	66	0	0	0	B

Table 2.11: Monthly arithmetic averages of nitrate in aerosols in 1998. (Unit: µg N/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
CZ0001R	1.10	1.76	0.77	0.69	0.41	0.67	0.53	0.94	0.64	0.69	0.96	0.64	D
CZ0003R	0.94	0.79	0.76	0.60	0.59	0.32	0.55	0.42	0.39	0.51	0.52	0.47	D
IT0001R	0.76	1.58	0.78	0.66	0.48	0.29	0.37	0.33	0.43	0.46	0.63	0.95	A
IT0004R	1.77	3.71	2.30	1.19	1.12	0.88	0.59	0.34	0.53	0.83	2.05	2.65	D
LT0015R	0.82	1.38	0.56	0.61	0.56	0.53	0.50	0.40	0.34	0.42	0.70	0.85	D
LV0010R	0.45	0.42	0.05	0.05	0.04	0.04	0.03	0.03	0.05	0.03	0.02	0.06	D
LV0016R	0.19	0.21	0.07	0.19	0.17	0.05	0.04	0.04	0.09	0.14	0.20	0.27	D
NL0009R	0.62	1.85	0.94	1.18	0.97	0.94	0.61	0.69	1.32	0.57	1.02	0.99	A
NL0010R	0.61	1.70	0.88	0.90	0.95	0.80	0.71	1.25	1.28	0.71	1.05	0.82	A
PL0002R	0.95	1.51	-	0.61	0.49	0.49	0.43	0.42	0.44	0.47	0.66	0.90	D
PL0003R	0.06	0.14	0.30	0.66	0.50	0.31	0.38	0.48	0.35	0.33	0.19	0.11	D
PL0004R	0.71	1.44	0.49	0.50	0.41	0.45	0.42	0.23	0.28	0.33	0.48	0.45	D
RU0001R	0.04	0.04	0.12	0.04	0.03	0.03	0.06	0.03	0.04	0.08	0.07	0.09	D
RU0013R	0.05	0.02	0.04	0.04	0.02	0.03	0.05	-	-	0.03	0.03	0.07	D
RU0016R	0.13	0.23	0.27	0.35	0.18	0.20	0.20	0.17	0.12	0.10	0.13	0.20	D
SK0002R	0.06	0.06	0.12	0.21	0.29	0.22	0.27	0.55	0.15	0.14	0.10	0.07	D
SK0004R	0.20	0.40	0.22	0.45	0.23	0.18	0.17	0.33	0.16	0.28	0.34	0.35	D
SK0005R	-	-	-	0.48	0.39	0.32	0.39	0.48	0.34	0.47	0.78	0.74	D
SK0006R	0.28	0.45	0.25	0.31	0.25	0.20	0.22	0.29	0.22	0.26	0.20	0.25	D
TR0001R	0.11	0.10	0.05	0.07	0.04	-	0.03	0.06	0.06	-	-	-	D

Table 2.12: Nitrate in aerosols 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
CZ0001R	100	100	100	100	100	96	87	100	73	100	96	100	D
CZ0003R	100	100	100	100	100	100	100	100	100	100	100	100	D
IT0001R	58	100	100	100	100	100	100	100	100	100	100	93	A
IT0004R	100	100	100	100	100	100	100	100	100	100	100	100	D
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100	D
LV0010R	96	96	100	100	100	100	100	100	86	100	96	100	D
LV0016R	58	39	70	100	100	96	87	93	96	100	93	100	D
NL0009R	100	100	96	100	100	96	100	100	96	100	100	96	A
NL0010R	100	100	100	100	100	96	100	96	100	100	100	100	A
PL0002R	100	100	0	100	96	96	100	93	100	100	100	100	D
PL0003R	93	100	100	100	93	100	100	100	100	100	100	90	D
PL0004R	100	96	100	83	93	100	100	100	100	100	100	100	D
RU0001R	80	92	90	83	77	100	83	67	46	19	100	100	D
RU0013R	51	60	35	56	38	50	19	0	0	22	33	16	D
RU0016R	70	100	93	100	96	93	100	29	86	54	96	87	D
SK0002R	100	100	96	100	100	96	100	100	100	100	100	100	D
SK0004R	100	100	100	93	100	96	100	100	100	100	100	100	D
SK0005R	0	0	0	100	100	90	96	100	100	100	96	100	D
SK0006R	100	100	100	100	96	100	93	100	86	96	100	100	D
TR0001R	67	82	100	100	96	0	61	100	66	0	0	0	D

Table 2.13: Monthly arithmetic averages of ammonium in aerosols in 1998. (Unit: µg N/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
CZ0001R	2.21	1.49	0.74	1.01	0.97	1.01	1.79	2.93	1.76	1.14	1.31	1.30	D
CZ0003R	1.78	0.97	0.92	1.21	1.29	1.09	1.34	1.40	1.40	1.35	1.54	1.48	D
ES0001R	0.21	0.71	0.50	0.19	0.28	0.43	0.70	0.82	0.28	0.36	0.35	0.39	D
ES0003R	0.47	1.91	1.52	0.41	0.83	0.41	0.27	0.48	0.19	0.29	0.26	0.57	D
ES0004R	0.87	1.73	1.54	0.26	0.95	0.60	0.42	0.38	0.28	0.35	0.18	0.68	D
ES0005R	0.10	0.72	0.51	0.04	0.62	0.32	0.38	1.41	0.35	0.33	0.10	0.30	D
ES0006R	0.15	0.74	0.61	0.18	0.54	0.24	0.20	0.40	0.14	0.14	0.07	0.18	D
ES0007R	0.18	0.45	0.68	0.33	0.55	0.55	0.91	0.66	0.24	0.18	0.29	0.57	D
HU0002R	2.04	2.28	1.52	1.31	1.75	1.57	1.24	1.56	1.21	0.71	2.08	3.28	B
IT0001R	1.41	2.40	1.48	1.18	1.48	1.22	1.48	1.94	1.25	1.04	1.41	1.67	B
IT0004R	2.87	4.38	3.07	1.91	2.35	2.35	1.97	0.75	1.13	0.93	2.45	4.27	D
LT0015R	1.37	1.84	1.03	1.33	1.16	1.02	0.91	0.73	0.95	0.78	1.60	1.32	D
LV0010R	1.24	0.57	0.12	0.24	0.30	0.31	0.23	0.23	0.39	0.26	0.26	0.56	D
LV0016R	0.60	0.91	0.68	0.85	0.59	0.63	0.48	0.40	0.47	0.47	0.76	0.81	D

Table 2.13 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
NL0009R	0.91	2.57	1.44	1.80	1.79	1.67	1.08	0.98	2.15	1.07	1.77	1.79	A
NL0010R	1.12	2.84	1.38	1.36	1.89	1.56	1.43	2.08	2.08	1.33	1.95	1.58	A
PL0002R	1.31	1.69	-	1.68	2.00	1.68	1.23	1.82	1.89	1.13	1.72	1.74	D
PL0003R	0.33	0.54	0.71	1.00	0.94	0.69	0.96	1.29	0.81	0.68	0.57	0.34	D
PL0004R	1.02	1.89	0.71	0.78	1.08	0.70	0.87	0.64	1.25	0.76	1.36	1.08	D
RU0001R	0.19	0.26	0.32	0.30	0.15	0.25	0.24	0.14	0.20	0.37	0.22	0.16	D
RU0013R	0.62	0.47	0.52	0.67	0.35	0.26	0.62	-	-	0.15	0.41	0.42	D
RU0016R	0.55	0.78	0.76	1.01	0.56	0.56	0.34	0.26	0.41	0.24	0.54	0.63	D
TR0001R	0.33	0.21	0.19	0.29	0.16	0.10	0.11	0.39	0.25	-	-	-	D

Table 2.14: Ammonium in aerosols 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
CZ0001R	100	100	100	100	100	96	87	100	73	100	96	100	D
CZ0003R	100	100	100	100	100	100	100	100	100	100	100	100	D
ES0001R	80	96	96	100	93	66	100	100	86	96	83	100	D
ES0003R	90	96	100	100	93	100	100	77	96	70	100	100	D
ES0004R	100	67	100	100	96	93	87	64	93	96	76	67	D
ES0005R	58	92	83	70	12	46	83	64	70	67	80	45	D
ES0006R	100	96	93	100	100	100	96	77	96	96	96	87	D
ES0007R	100	96	100	93	96	80	100	80	30	48	30	100	D
HU0002R	100	100	100	86	41	100	96	100	86	100	100	100	B
IT0001R	58	100	100	100	100	100	100	100	100	100	100	93	B
IT0004R	100	100	100	100	100	100	100	100	100	100	100	100	D
LT0015R	100	96	100	100	100	100	100	100	100	100	96	100	D
LV0010R	96	96	93	100	100	100	100	100	93	100	96	100	D
LV0016R	51	39	74	100	100	100	100	100	100	100	93	100	D
NL0009R	100	100	96	100	100	96	100	100	96	100	100	96	A
NL0010R	100	100	100	100	100	96	100	96	100	100	100	100	A
PL0002R	100	100	0	100	100	96	100	93	100	100	100	100	D
PL0003R	93	100	100	100	93	100	100	100	100	100	100	90	D
PL0004R	100	100	100	83	93	100	100	100	100	100	100	100	D
RU0001R	80	92	90	83	77	100	83	67	46	19	100	100	D
RU0013R	51	60	35	56	38	50	19	0	0	22	33	16	D
RU0016R	70	100	93	100	96	93	100	29	86	54	96	87	D
TR0001R	67	82	100	100	100	46	61	100	66	0	0	0	D

Table 2.15: Monthly arithmetic averages of strong acid in aerosols in 1998. (Unit: ne H^+/m^3).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
ES0001R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
ES0003R	0.	0.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	
ES0004R	0.	1.	1.	0.	1.	0.	0.	0.	0.	0.	0.	1.	
ES0005R	0.	1.	1.	0.	0.	0.	0.	2.	1.	0.	0.	0.	
ES0006R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
ES0007R	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	
HU0002R	15.	4.	5.	-15.	17.	-1.	-25.	-4.	2.	4.	16.	41.	
IT0004R	15.	22.	12.	7.	17.	18.	12.	8.	6.	10.	5.	16.	

Table 2.16: Strong acid in aerosols 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
ES0001R	80	100	96	100	93	66	100	100	96	96	86	100	
ES0003R	90	96	100	100	93	100	100	77	96	70	100	100	
ES0004R	100	67	100	100	96	93	87	64	93	96	76	67	
ES0005R	58	92	83	70	12	46	83	64	70	64	80	45	
ES0006R	100	96	93	100	100	100	96	77	96	96	96	87	
ES0007R	100	96	100	93	96	80	100	80	30	48	30	100	
HU0002R	51	50	48	86	41	100	93	100	86	100	100	100	
IT0004R	100	100	100	100	100	100	100	100	100	100	100	100	

Table 2.17: Monthly arithmetic averages of suspended particulate matter in 1998. (Unit: µg SPM/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
CH0001G	1.3	2.8	4.1	3.0	5.4	6.1	6.1	7.3	7.5	1.2	1.2	1.1	
CH0002R	26.8	49.0	25.6	13.3	20.2	16.6	17.2	19.3	20.4	15.8	27.6	28.0	
CH0003R	24.0	39.5	21.5	10.8	23.6	14.6	15.3	18.7	15.6	13.7	28.2	24.3	
CH0004R	7.0	12.7	13.9	9.7	16.7	12.6	12.6	14.8	10.0	6.5	7.3	4.6	
CH0005R	9.5	16.7	15.2	9.7	18.2	13.3	14.5	17.8	12.8	7.7	8.4	5.8	
DE0001R	18.6	31.8	22.4	21.4	24.4	22.7	18.6	16.6	24.6	16.2	32.2	26.8	
DE0002R	14.2	36.9	18.6	19.1	33.3	15.1	14.6	15.9	19.3	12.6	22.9	22.4	
DE0003R	5.7	10.1	15.0	8.5	20.3	12.2	14.1	18.2	9.1	5.2	6.2	4.4	
DE0004R	14.7	25.8	20.2	11.2	27.0	15.8	16.4	23.4	13.9	10.0	20.5	13.6	
DE0005R	10.2	17.0	14.4	11.0	20.1	13.1	12.5	18.7	9.6	6.7	10.6	7.7	
DE0007R	15.3	33.5	15.6	19.1	25.7	14.3	12.4	14.8	24.8	12.9	30.1	21.2	
DE0008R	10.2	20.8	14.6	11.7	22.1	15.3	12.2	18.3	12.0	5.2	10.8	10.0	
DE0009R	16.7	32.2	18.4	22.7	25.8	20.0	14.2	14.3	22.1	14.2	32.6	23.0	
ES0001R	9.0	17.7	27.2	9.4	16.2	33.1	37.2	51.0	33.3	19.8	15.0	16.5	
ES0003R	26.0	49.3	62.1	29.6	33.6	43.2	42.6	41.2	36.2	32.9	55.5	40.3	
ES0004R	22.2	38.2	42.7	17.3	32.2	31.9	28.6	31.7	31.6	30.7	20.7	31.2	
ES0005R	10.9	21.7	21.0	10.1	17.8	17.9	15.8	32.6	15.4	14.5	12.6	18.9	
ES0006R	26.1	30.6	39.2	28.8	26.5	39.3	36.0	31.0	44.8	32.9	34.7	33.6	
ES0007R	17.9	19.1	41.5	21.3	24.3	48.0	56.0	61.5	75.7	27.9	21.4	40.3	
IT0004R	49.3	79.2	53.3	40.3	42.6	43.5	28.2	23.3	33.9	22.2	46.9	71.0	
PL0002R	0.7	1.1	0.1	0.3	0.1	0.1	0.0	0.0	0.1	0.2	0.2	0.5	
PL0003R	0.0	0.0	0.1	0.5	0.2	0.2	0.2	0.3	0.0	0.0	0.0	0.0	
PL0004R	0.3	1.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	
SE0002R	2.5	1.3	1.8	2.3	1.2	0.8	0.8	0.8	1.9	1.1	5.1	2.5	
SE0005R	0.7	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.9	0.7	0.9	0.7	
SE0008R	3.6	1.4	1.9	2.6	1.5	1.0	0.8	0.8	2.5	1.8	5.1	3.9	
SE0011R	2.5	2.5	2.0	3.2	1.3	0.8	0.9	1.1	2.0	1.1	5.4	3.4	

Table 2.18: Suspended particulate matter 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
CH0001G	90	100	100	60	93	90	100	100	100	93	100	100	
CH0002R	96	100	100	100	100	93	100	100	100	100	100	100	
CH0003R	90	82	93	100	100	100	100	100	90	93	86	87	
CH0004R	80	100	96	100	70	100	100	96	100	93	100	100	
CH0005R	100	100	100	100	100	96	100	100	100	100	100	96	
DE0001R	100	100	100	93	100	100	90	100	93	100	96	74	
DE0002R	96	92	100	96	100	90	87	96	96	100	96	93	
DE0003R	100	100	90	86	100	100	100	83	90	100	96	100	
DE0004R	100	100	100	100	100	96	100	100	100	100	100	100	
DE0005R	100	100	100	100	100	93	93	100	100	96	100	96	
DE0007R	93	100	100	100	100	96	100	100	100	100	100	100	
DE0008R	96	100	96	100	96	96	100	100	100	100	100	100	
DE0009R	100	100	100	100	100	93	100	100	100	96	100	100	
ES0001R	77	92	96	100	93	66	100	96	96	96	86	100	
ES0003R	90	100	100	100	93	100	100	77	96	70	100	100	
ES0004R	96	64	83	96	93	93	83	64	93	96	76	67	
ES0005R	58	92	83	70	12	46	80	64	66	67	80	45	
ES0006R	100	92	93	73	87	50	64	6	43	22	50	90	
ES0007R	100	96	100	93	96	80	100	80	30	48	30	100	
IT0004R	100	100	100	100	100	100	100	100	100	100	100	100	
PL0002R	100	100	100	100	100	96	100	93	100	100	100	100	
PL0003R	93	100	100	100	93	100	100	100	100	100	100	90	
PL0004R	100	100	100	83	93	100	100	100	100	100	100	100	
SE0002R	100	100	100	100	100	93	93	96	100	100	100	100	
SE0005R	100	100	100	100	100	100	100	100	100	100	100	100	
SE0008R	96	100	100	100	96	93	100	100	100	100	100	100	
SE0011R	100	100	100	100	100	100	90	58	96	67	100	100	

Table 2.19: Monthly arithmetic averages of the sum of nitric acid and nitrate in aerosols in 1998. (Unit: µg N/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
CH0002R	1.30	3.20	1.40	0.64	0.84	0.48	0.50	0.73	1.03	0.61	1.40	1.28	A
DK0003R	0.90	1.13	0.98	1.22	0.90	0.71	0.44	0.43	0.92	0.29	1.29	1.06	A
DK0005R	1.01	2.44	1.07	1.38	1.10	0.84	0.60	0.64	1.02	0.51	1.42	1.38	A
DK0008R	0.80	1.16	0.74	0.78	0.79	0.60	0.52	0.43	0.66	0.28	0.63	0.84	A
ES0001R	0.26	0.37	0.34	0.20	0.30	0.34	0.43	0.54	0.36	0.57	0.41	0.17	B
ES0003R	0.35	0.57	0.46	0.21	0.23	0.25	0.20	0.22	0.21	0.13	0.14	0.10	B
ES0004R	0.20	1.02	0.82	0.36	0.60	0.53	0.42	0.38	0.49	0.62	0.59	0.72	B
ES0005R	0.17	0.09	0.09	0.10	0.33	0.22	0.23	0.50	0.16	0.22	0.12	0.20	B
ES0006R	0.12	0.23	0.30	0.18	0.19	0.18	0.33	0.32	0.21	0.24	0.10	0.08	B
ES0007R	0.30	0.18	0.43	0.29	0.34	0.46	0.35	0.47	0.35	0.35	0.37	0.10	B
FI0009R	0.43	0.56	0.46	0.56	0.35	0.42	0.41	0.22	0.34	0.28	0.38	0.37	A
FI0017R	0.27	0.47	0.39	0.41	0.29	0.24	0.21	0.18	0.18	0.21	0.26	0.32	A
FI0022R	0.05	0.06	0.15	0.07	0.03	0.04	0.04	0.02	0.03	0.03	0.09	0.09	A
FI0037R	0.15	0.24	0.28	0.21	0.10	0.11	0.11	0.07	0.14	0.11	0.23	0.16	A
GB0002R	0.26	0.27	0.33	0.30	0.40	0.21	0.12	0.21	0.60	0.17	0.32	0.25	A
GB0014R	0.57	0.83	0.82	0.77	0.74	0.54	0.36	0.48	1.52	0.28	0.79	0.72	A
HU0002R	1.27	1.84	0.79	0.82	0.49	0.52	0.53	0.49	0.83	0.80	1.31	2.31	A
LT0015R	1.22	1.91	0.66	0.88	0.69	0.62	0.53	0.46	0.45	0.53	0.84	1.04	A
LV0010R	0.56	0.47	0.07	0.06	0.05	0.07	0.04	0.05	0.05	0.04	0.02	0.06	B
LV0016R	0.23	0.28	0.09	0.22	0.20	0.08	0.09	0.07	0.07	0.15	0.24	0.32	B
NO0001R	0.13	0.15	0.41	0.18	0.15	0.19	0.24	0.14	0.19	0.06	0.24	0.22	A
NO0008R	0.15	0.09	0.24	0.21	0.15	0.15	0.21	0.10	0.11	0.04	0.20	0.14	A
NO0015R	0.06	0.04	0.08	0.07	0.05	0.04	0.11	0.07	0.06	0.03	0.06	0.06	A
NO0039R	0.05	0.03	0.05	0.06	0.07	0.05	0.06	0.05	0.04	0.03	0.04	0.03	A
NO0041R	0.10	0.10	0.21	0.09	0.06	0.08	0.17	0.06	0.07	0.04	0.15	0.12	A
NO0042R	0.04	0.03	0.04	0.04	0.03	0.04	0.10	0.05	0.04	0.03	0.04	0.03	A
NO0055R	0.08	0.06	0.09	0.05	0.05	0.04	0.14	0.06	0.04	0.04	0.06	0.05	A
PL0002R	1.16	1.63	0.54	0.78	0.65	0.56	0.50	0.50	0.57	0.66	0.83	1.09	A
PL0003R	0.12	0.21	0.40	1.01	0.72	0.72	0.69	0.73	0.40	0.37	0.24	0.14	A
PL0004R	0.79	1.52	0.57	0.53	0.60	0.54	0.52	0.33	0.33	0.34	0.49	0.52	A
PL0005R	1.06	1.34	0.53	0.58	0.45	0.37	0.34	0.34	0.41	0.57	0.81	1.02	B
SE0002R	0.60	0.95	0.63	0.43	0.62	0.49	0.45	0.32	0.47	0.25	0.40	0.67	A
SE0005R	0.04	0.04	0.08	0.06	0.05	0.04	0.03	0.02	0.03	0.03	0.05	0.05	A
SE0011R	0.63	1.08	0.51	0.60	0.45	0.46	0.35	0.43	0.46	0.34	0.44	0.61	A
SE0012R	0.35	0.32	0.24	0.33	0.25	0.21	0.17	0.12	0.21	0.16	0.19	0.28	A
SI0008R	0.34	0.42	0.46	0.34	0.24	0.30	0.23	0.21	0.17	0.17	0.29	0.26	A
TR0001R	0.18	0.15	0.13	0.18	0.10	-	0.11	0.16	0.15	-	-	-	A

Table 2.20: Sum of nitric acid and nitrate in aerosols in 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
CH0002R	96	96	100	100	93	100	96	100	100	100	100	100	A
DK0003R	100	100	100	100	100	100	100	100	100	100	100	100	A
DK0005R	100	100	100	100	100	100	100	100	100	100	100	100	A
DK0008R	100	96	93	100	100	100	100	100	100	100	96	96	A
ES0001R	100	100	100	100	96	96	100	100	100	100	100	96	B
ES0003R	83	75	67	76	96	76	100	100	100	51	6	38	B
ES0004R	100	100	93	100	100	96	93	61	96	100	96	100	B
ES0005R	9	64	100	16	77	90	96	96	93	100	90	61	B
ES0006R	74	53	38	13	87	100	58	51	93	74	66	22	B
ES0007R	83	85	70	83	80	53	100	90	90	80	100	38	B
FI0009R	96	100	100	100	100	100	100	100	100	93	100	96	A
FI0017R	100	100	100	100	100	100	77	100	100	100	100	100	A
FI0022R	93	100	100	100	100	100	100	100	90	100	100	100	A
FI0037R	93	100	100	100	100	100	93	100	100	100	96	100	A
GB0002R	100	96	93	96	100	100	100	90	100	96	100	96	A
GB0014R	90	96	100	100	100	96	100	90	70	96	100	100	A
HU0002R	100	100	100	86	41	100	96	100	86	100	100	70	A
LT0015R	93	100	93	100	100	100	100	100	100	100	100	100	A
LV0010R	93	96	100	100	100	100	100	100	70	100	96	100	B
LV0016R	58	39	70	100	100	96	90	80	53	100	93	100	B

Table 2.20 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
NO0001R	96	57	74	100	100	73	96	100	100	93	100	100	A
NO0008R	100	100	100	76	100	76	100	100	100	96	100	96	A
NO0015R	100	100	100	100	90	86	100	100	100	100	100	70	A
NO0039R	100	100	100	100	90	100	96	100	96	100	100	100	A
NO0041R	100	100	100	100	93	76	100	100	100	100	100	100	A
NO0042R	93	100	100	96	32	63	100	100	100	100	90	100	A
NO0055R	96	71	83	100	87	76	93	100	96	96	100	100	A
PL0002R	100	100	100	100	100	96	100	93	100	100	100	100	A
PL0003R	93	100	100	100	93	100	100	100	100	100	100	90	A
PL0004R	100	100	100	83	93	100	100	100	100	100	100	100	A
PL0005R	90	85	96	96	100	100	100	93	90	100	93	80	B
SE0002R	93	100	93	76	100	70	100	96	100	96	100	87	A
SE0005R	100	100	100	100	100	100	100	96	100	100	100	100	A
SE0011R	100	100	100	96	100	96	90	38	93	67	90	100	A
SE0012R	100	100	96	86	100	96	100	58	96	100	100	96	A
SI0008R	100	100	100	100	100	96	100	96	96	100	96	93	A
TR0001R	67	82	100	100	100	0	61	100	66	0	0	0	A

Table 2.21: Monthly arithmetic averages of the sum of ammonia in aerosols in 1998. (Unit: µg N/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
CH0002R	3.03	6.09	4.38	2.56	5.00	3.78	3.89	4.02	3.80	2.60	5.20	4.78	A
DK0003R	1.96	2.56	3.26	3.76	3.76	2.52	1.75	2.23	3.46	1.38	3.16	2.37	A
DK0005R	1.76	4.50	2.51	2.70	3.19	2.53	1.74	2.03	3.77	1.15	2.71	2.57	A
DK0008R	1.06	1.97	1.19	1.43	1.25	0.97	0.82	0.75	1.54	0.54	1.14	1.25	A
ES0001R	0.03	0.09	0.15	0.07	0.20	0.99	1.08	0.89	0.67	0.66	0.94	0.09	B
ES0003R	0.42	0.50	0.89	0.55	0.97	0.57	0.64	0.54	0.32	0.55	0.20	0.80	B
ES0004R	1.95	8.00	4.97	1.96	2.15	0.03	0.06	0.21	0.03	0.03	0.04	0.06	B
ES0005R	0.41	0.94	0.66	0.10	1.38	0.29	0.69	1.10	0.62	0.30	0.31	1.07	B
ES0006R	0.41	0.69	0.78	0.50	0.89	0.85	0.84	0.77	0.58	0.62	0.44	0.49	B
ES0007R	0.51	0.49	1.26	1.13	1.64	1.12	1.94	1.04	0.76	0.44	0.90	0.80	B
FI0009R	0.44	0.57	0.54	0.82	0.51	0.60	0.47	0.33	0.53	0.33	0.50	0.39	A
FI0017R	0.77	0.71	0.64	1.55	0.90	1.24	1.01	0.69	0.99	0.57	0.61	0.54	A
FI0022R	0.11	0.14	0.24	0.21	0.10	0.13	0.16	0.12	0.18	0.08	0.21	0.18	A
FI0037R	0.26	0.42	0.46	0.54	0.36	0.34	0.34	0.24	0.44	0.24	0.48	0.27	A
GB0002R	0.66	0.89	0.78	0.69	1.13	0.59	0.40	0.60	1.49	0.32	0.54	0.51	A
GB0014R	1.48	2.59	1.96	1.33	1.73	1.35	1.25	1.36	2.66	0.73	1.41	1.30	A
LT0015R	2.15	2.59	1.64	2.96	1.98	1.92	1.61	1.26	1.88	1.11	1.95	2.13	A
LV0010R	1.34	0.65	0.28	0.44	0.45	0.44	0.36	0.33	0.52	0.35	0.35	0.70	B
LV0016R	0.73	1.03	0.81	1.05	0.76	0.87	0.71	0.60	0.73	0.67	0.95	0.96	B
NO0001R	0.23	0.25	0.63	0.54	0.46	0.45	0.47	0.30	0.56	0.13	0.54	0.36	A
NO0008R	1.23	1.05	1.74	1.61	2.13	1.47	2.05	1.50	1.04	0.56	1.01	0.73	A
NO0015R	0.76	1.05	0.76	1.09	1.75	1.63	1.21	1.06	0.84	1.24	0.38	0.47	A
NO0039R	0.15	0.12	0.19	0.36	0.46	0.69	0.42	0.29	0.64	0.32	0.28	0.20	A
NO0041R	0.32	0.28	0.86	0.38	0.31	0.25	0.31	0.29	0.43	0.19	0.64	0.20	A
NO0042R	0.12	0.13	0.12	0.14	0.08	0.10	0.26	0.17	0.15	0.08	0.06	0.06	A
NO0055R	0.38	0.57	0.41	0.54	0.42	0.35	0.34	0.42	0.49	0.76	0.63	0.85	A
PL0002R	2.62	3.09	1.62	3.25	3.80	2.98	2.54	2.53	3.44	1.91	2.12	2.54	A
PL0003R	-	0.74	1.01	1.53	1.98	1.52	1.56	2.04	1.22	1.01	0.79	0.53	A
PL0004R	1.10	2.10	0.97	1.67	1.44	0.86	1.60	1.28	1.74	0.96	1.50	1.40	A
PL0005R	1.15	1.67	1.17	1.50	1.01	1.17	1.27	0.78	0.69	1.27	1.46	1.74	B
RU0001R	0.20	0.28	0.35	0.25	0.17	0.21	0.34	0.23	0.31	0.39	0.25	0.17	-
SE0002R	0.69	1.32	0.91	1.31	1.27	0.83	0.70	0.73	1.38	0.39	1.23	0.99	A
SE0005R	0.04	0.10	0.17	0.32	0.16	0.18	0.17	0.09	0.24	0.07	0.24	0.11	A
SE0011R	0.77	1.63	0.81	1.42	1.43	1.23	0.83	0.87	1.46	0.65	1.29	1.00	A
SE0012R	0.40	0.52	0.48	0.83	0.42	0.39	0.34	0.25	0.49	0.20	0.61	0.45	A
SI0008R	0.79	1.20	1.16	0.99	1.48	1.77	1.48	1.80	1.05	0.64	0.78	0.66	A
TR0001R	0.51	0.33	0.38	0.74	0.45	0.43	0.47	0.66	0.55	-	-	-	A

Table 2.22: Sum of ammonia in aerosols in 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
CH0002R	96	96	100	100	96	100	100	100	100	100	100	100	A
DK0003R	100	100	100	100	100	100	100	100	100	100	100	100	A
DK0005R	100	100	100	100	100	100	100	96	100	96	100	100	A
DK0008R	100	96	93	100	100	100	96	100	100	100	96	96	A
ES0001R	100	100	100	90	87	93	96	100	100	100	100	96	B
ES0003R	100	100	96	93	93	96	96	100	100	74	100	100	B
ES0004R	61	78	22	13	87	93	90	54	93	100	93	83	B
ES0005R	9	46	61	93	77	83	90	93	90	87	50	45	B
ES0006R	96	78	96	93	90	96	83	100	96	83	100	87	B
ES0007R	100	100	90	100	90	76	93	93	76	80	100	100	B
FI0009R	100	100	100	100	100	100	100	100	100	93	100	96	A
FI0017R	100	100	100	100	100	100	93	100	96	100	100	100	A
FI0022R	93	100	100	100	100	100	100	100	100	100	100	100	A
FI0037R	93	100	100	100	100	100	96	100	100	100	100	100	A
GB0002R	100	100	100	96	96	100	96	83	96	100	100	100	A
GB0014R	67	100	100	100	100	100	100	83	73	100	100	96	A
LT0015R	100	100	100	80	87	100	100	100	100	100	100	100	A
LV0010R	87	82	93	100	100	100	100	100	93	100	96	100	B
LV0016R	51	39	74	100	100	100	100	100	100	100	93	100	B
NO0001R	96	57	74	100	96	96	100	100	100	93	100	100	A
NO0008R	100	100	100	76	100	100	100	100	100	100	100	100	A
NO0015R	100	100	100	100	100	100	100	100	100	100	100	70	A
NO0039R	100	100	100	100	90	100	100	93	53	100	100	100	A
NO0041R	100	100	100	100	93	100	100	100	100	100	100	100	A
NO0042R	93	100	100	96	32	63	100	100	100	100	73	100	A
NO0055R	96	96	100	100	87	76	93	100	96	100	100	100	A
PL0002R	100	100	100	100	100	96	100	93	100	100	100	100	A
PL0003R	0	100	100	100	93	100	100	100	100	100	100	90	A
PL0004R	100	100	100	83	93	100	100	100	100	100	100	100	A
PL0005R	100	96	96	90	100	100	96	100	90	100	100	100	B
RU0001R	80	92	90	83	77	100	83	67	46	19	100	100	-
SE0002R	93	100	93	80	100	70	100	93	100	96	100	87	A
SE0005R	100	100	100	100	100	100	100	96	100	100	100	100	A
SE0011R	100	100	100	96	100	96	90	38	93	67	86	100	A
SE0012R	96	100	100	86	96	96	100	58	96	100	100	96	A
SI0008R	100	100	100	100	100	96	100	96	96	100	96	93	A
TR0001R	67	82	100	100	100	46	61	100	66	0	0	0	A

Annex 3

Monthly weighted mean concentrations of precipitation components

Table 3.1: Monthly precipitation amounts in 1998 (mm).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	8.6	15.8	21.7	4.7	42.3	53.1	104.2	60.4	96.9	75.1	31.2	17.0	
AT0004R	28.8	1.9	175.0	53.4	66.1	174.2	262.4	124.1	112.0	88.6	112.4	56.0	
AT0005R	22.2	6.1	5.5	130.8	36.0	193.3	183.4	106.0	126.0	165.6	46.8	21.5	
CH0002R	55.7	15.7	35.9	107.5	41.8	49.7	91.8	47.9	130.2	103.6	85.1	22.8	
CH0003R	98.0	22.7	73.0	75.6	46.9	98.7	98.3	63.5	153.4	146.4	130.7	31.5	
CH0004R	105.5	15.4	33.2	67.8	50.7	77.6	64.0	89.2	132.8	116.2	94.6	48.4	
CH0005R	35.8	25.0	66.9	65.2	43.1	160.5	146.6	89.2	224.0	104.7	83.1	34.7	
CZ0001R	34.9	16.2	84.7	36.1	28.1	173.3	150.2	30.6	155.6	114.1	35.4	55.2	
CZ0003R	18.9	10.5	64.5	20.2	48.3	92.0	84.5	59.2	80.6	93.2	35.0	20.9	
DE0001R	78.5	29.7	43.3	72.2	13.0	55.8	96.4	66.5	86.7	164.2	65.5	50.5	
DE0002R	52.9	13.2	60.2	70.0	20.8	108.1	80.5	66.5	50.1	151.4	57.5	43.2	
DE0003R	155.4	74.5	132.0	207.8	86.2	144.5	108.7	133.5	202.3	171.4	210.8	100.0	
DE0004R	70.3	11.3	55.4	112.8	54.6	55.9	45.1	24.0	85.6	161.8	43.4	37.4	
DE0005R	36.5	13.5	68.6	40.7	43.9	111.8	147.8	79.5	173.5	178.5	102.5	38.9	
DE0007R	68.7	16.2	41.8	37.7	27.5	39.6	51.0	60.3	28.1	102.7	23.5	45.1	
DE0008R	99.1	52.7	121.1	89.9	54.2	68.4	215.5	85.4	254.5	269.3	117.1	75.3	
DE0009R	51.2	35.9	46.7	58.6	28.0	89.9	53.7	68.5	56.2	96.6	39.9	34.2	
DK0003R	57.7	44.9	49.4	51.7	73.3	74.2	109.5	81.1	38.3	158.6	21.8	56.5	
DK0005R	73.5	18.4	49.0	71.3	36.7	74.0	59.9	33.4	25.8	94.3	62.4	36.6	
DK0008R	52.3	49.1	72.6	20.5	18.8	116.1	66.5	34.0	55.4	109.9	68.6	50.0	
EE0009R	40.1	41.7	23.0	31.2	85.5	151.3	103.0	180.9	20.4	75.7	31.4	53.8	
EE0011R	34.6	18.3	3.8	24.9	24.1	67.8	29.8	74.5	19.2	90.7	56.0	47.5	
ES0001R	51.8	58.3	22.8	89.0	142.7	34.2	0.0	9.7	66.9	38.0	23.7	34.4	
ES0003R	108.1	10.5	2.8	18.1	73.8	2.4	6.9	26.1	12.2	41.7	1.6	107.4	
ES0004R	14.8	20.4	19.1	35.2	36.6	49.7	17.0	55.6	43.1	17.1	46.2	17.5	
ES0005R	169.6	6.5	0.0	192.4	31.0	14.9	77.8	0.0	392.1	124.1	137.1	73.7	
ES0006R	0.0	25.6	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ES0007R	18.8	71.8	23.3	52.5	90.4	36.0	0.0	0.0	83.7	4.0	7.2	27.1	
FI0004R	55.1	53.8	33.6	11.4	38.5	114.8	96.0	106.2	40.9	79.5	16.1	46.7	
FI0009R	16.1	5.6	3.6	4.6	31.9	44.4	23.2	51.5	32.3	39.8	3.3	13.9	
FI0017R	35.3	20.4	31.3	17.0	41.7	57.3	99.3	147.9	22.2	103.8	23.4	43.8	
FI0022R	64.0	72.9	20.3	23.4	62.8	56.1	112.0	56.8	49.5	99.2	27.8	35.0	
FR0003R	102.4	19.4	60.0	187.8	13.1	42.4	39.9	12.9	96.9	134.3	28.7	47.4	
FR0005R	121.6	13.9	54.3	142.7	19.4	73.5	58.7	26.4	139.6	170.6	94.9	147.3	
FR0008R	163.0	17.5	65.6	166.5	62.5	140.0	99.0	97.0	158.5	325.0	123.3	108.5	
FR0009R	165.9	15.1	90.7	232.2	39.8	146.1	95.5	48.5	157.7	308.5	79.5	88.1	
FR0010R	131.0	32.0	55.4	262.3	45.0	74.3	74.0	81.5	127.7	166.4	94.0	44.8	
FR0011R	69.0	35.5	75.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
FR0012R	86.7	21.8	96.5	95.8	106.4	116.2	95.3	21.4	281.7	213.2	221.2	89.0	
FR0013R	49.2	21.6	48.6	198.7	42.4	45.8	28.0	86.3	102.0	114.8	103.9	21.3	
FR0014R	0.0	0.0	0.0	126.5	52.1	74.8	131.2	98.7	215.4	166.4	102.8	41.8	
GB0002R	117.0	78.0	109.9	112.8	60.6	149.3	150.3	95.4	91.3	210.7	146.4	121.6	
GB0006R	150.9	75.8	95.6	123.7	45.1	122.9	161.7	114.9	87.2	253.1	157.4	127.1	
GB0013R	163.9	10.5	100.7	150.7	21.2	99.6	51.1	17.9	124.1	182.3	103.2	133.4	
GB0014R	93.5	4.8	81.3	147.4	53.0	86.1	6.1	25.1	55.8	126.5	90.0	48.0	
GB0015R	86.4	128.8	55.0	83.0	32.8	52.4	84.7	69.9	51.9	203.8	74.0	70.7	
HU0002R	50.1	13.4	5.3	72.9	114.9	13.5	63.4	47.4	92.3	51.2	47.5	12.3	
IE0002R	179.9	35.0	152.7	205.0	74.4	177.8	99.2	67.1	177.2	268.9	151.9	235.6	
IE0003R	94.3	36.7	114.9	80.0	25.9	144.2	76.3	81.4	99.8	137.8	167.6	126.8	
IE0004R	164.1	26.7	122.2	101.7	35.5	150.4	97.9	68.9	102.9	184.4	152.4	149.7	
IS0002R	86.9	112.7	110.8	38.0	137.5	27.7	71.8	399.6	94.7	180.0	187.0	194.7	
IT0001R	119.2	128.8	59.6	111.7	108.8	57.7	10.0	5.8	84.2	191.4	25.3	119.2	
IT0004R	42.6	44.5	7.5	342.2	238.8	157.1	180.9	84.6	251.2	210.0	4.7	60.3	
LT0015R	36.1	23.2	19.9	49.8	28.7	78.6	39.2	94.4	71.7	104.9	13.8	23.1	
LV0010R	66.0	54.8	46.3	41.9	29.7	59.8	90.6	131.0	64.6	161.5	61.8	49.2	
LV0016R	62.8	74.9	30.7	23.5	130.0	131.6	112.7	128.3	46.9	104.7	14.3	66.3	
NL0009R	40.9	17.0	27.8	65.1	36.6	106.2	130.0	56.9	68.7	135.3	62.6	67.6	
NO0001R	142.2	40.6	90.1	225.4	82.6	178.8	171.8	75.8	173.8	226.5	106.0	82.3	
NO0008R	176.3	294.9	130.4	62.8	64.3	176.0	122.5	156.5	132.3	321.6	93.3	231.0	
NO0015R	98.5	212.9	93.2	25.8	63.8	71.4	118.7	81.7	100.0	125.7	29.8	123.9	
NO0039R	113.4	179.2	213.4	14.6	120.4	103.9	143.4	199.9	70.4	125.5	18.6	148.6	
NO0041R	37.9	15.9	36.6	98.5	13.3	88.8	80.2	71.1	89.6	86.4	15.2	22.4	
NO0055R	17.8	34.1	10.1	11.8	23.2	67.7	41.5	36.0	48.5	33.6	12.2	18.4	
PL0002R	27.1	42.1	39.3	66.5	59.5	133.0	71.5	111.3	32.6	69.4	43.4	22.3	
PL0003R	135.6	17.9	118.1	61.4	35.9	110.7	91.7	87.5	146.4	240.3	114.8	82.5	
PL0004R	58.5	36.2	43.0	56.8	25.2	101.2	71.8	116.8	36.3	133.3	56.1	56.5	
PL0005R	50.0	41.5	47.0	60.6	52.3	162.4	76.0	82.6	32.2	67.1	42.6	45.0	

Table 3.1 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
PT0001R	68.9	28.8	24.5	51.1	0.0	0.0	0.0	23.7	47.0	0.0	7.5	19.7	
PT0003R	166.9	33.1	0.0	135.6	18.9	0.0	11.3	0.0	206.4	91.7	65.5	158.1	
PT0004R	32.8	0.0	0.0	26.3	45.9	0.0	0.0	0.0	68.8	0.0	0.0	32.6	
RU0001R	39.8	66.9	23.0	19.5	48.2	79.7	88.8	30.4	61.5	66.6	4.5	25.7	
RU0013R	32.2	20.9	30.6	8.9	34.6	67.2	110.2	65.4	47.0	86.1	22.9	19.4	
RU0016R	38.6	36.1	47.9	31.1	27.8	115.8	68.2	132.6	38.7	88.6	12.2	55.7	
SE0002R	57.9	52.0	49.6	66.4	29.0	103.6	58.8	82.2	69.0	121.9	32.8	69.9	
SE0005R	56.1	44.3	24.4	28.8	13.8	99.5	212.7	149.8	68.4	50.0	29.1	39.0	
SE0011R	32.0	76.4	61.8	58.0	29.8	113.2	123.6	36.3	4.7	172.8	42.0	56.4	
SE0012R	35.1	4.9	33.6	33.0	60.5	55.8	41.4	50.2	40.7	25.1	17.2	29.1	
SK0002R	81.0	33.0	64.2	146.9	57.3	142.3	142.7	52.4	188.4	162.8	70.7	49.1	
SK0004R	29.6	26.4	11.7	63.6	60.6	79.6	126.0	45.2	109.5	109.9	33.7	16.7	
SK0005R	36.0	39.2	31.7	81.8	59.9	140.0	95.0	33.0	106.4	68.3	54.6	24.9	
SK0006R	36.6	38.3	47.3	85.3	55.9	93.8	156.7	91.4	103.5	113.2	52.3	68.7	
TR0001R	11.6	24.3	48.4	34.3	77.0	38.8	0.0	0.0	0.0	0.0	0.0	0.0	
YU0005R	26.4	24.4	19.2	41.4	82.6	31.6	50.7	72.7	124.6	109.8	98.7	65.6	
YU0008R	43.0	70.4	40.1	237.4	141.7	70.0	25.6	67.2	190.1	324.8	172.1	153.8	

Table 3.2: Precipitation amounts 1998. Number of days with measurements.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	31	28	31	30	31	30	31	31	30	31	30	31	
AT0004R	31	28	31	30	31	30	31	31	30	31	30	31	
AT0005R	31	28	31	30	31	28	31	30	30	31	30	31	
CH0002R	31	28	31	30	31	30	31	31	30	31	30	30	
CH0003R	31	28	31	30	31	30	31	31	30	31	30	30	
CH0004R	31	28	31	30	31	30	31	31	30	31	30	30	
CH0005R	31	28	31	30	31	30	31	31	30	31	30	30	
CZ0001R	4	4	5	4	4	5	4	4	5	4	4	4	
CZ0003R	31	28	31	30	31	30	31	31	30	31	30	31	
DE0001R	31	28	31	30	31	30	31	31	30	30	30	31	
DE0002R	24	27	25	29	29	29	29	29	27	27	29	30	
DE0003R	27	26	23	27	30	30	31	31	26	23	29	31	
DE0004R	30	28	31	29	31	30	31	31	29	29	29	31	
DE0005R	31	28	31	30	31	30	31	31	30	31	30	31	
DE0007R	31	28	31	30	30	30	31	31	30	31	30	31	
DE0008R	22	27	25	29	30	28	30	28	27	25	26	27	
DE0009R	22	20	27	26	28	23	18	21	28	20	28	28	
DK0003R	31	28	31	30	31	30	31	31	30	31	30	31	
DK0005R	31	28	31	30	31	30	31	31	30	31	30	31	
DK0008R	6	5	6	5	5	6	6	4	5	5	5	4	
EE0009R	31	28	31	30	31	30	31	31	30	31	30	31	
EE0011R	31	28	31	30	31	30	31	31	30	31	30	31	
ES0001R	31	28	31	30	31	30	31	31	30	31	30	31	
ES0003R	31	28	31	30	31	30	31	31	30	31	30	31	
ES0004R	31	28	31	30	31	30	31	31	30	31	30	31	
ES0005R	31	28	31	30	31	30	31	31	30	31	30	31	
ES0006R	31	28	31	30	31	30	31	31	30	31	30	31	
ES0007R	31	28	31	30	31	30	31	31	30	31	30	31	
FI0004R	31	28	31	30	31	30	31	31	30	31	30	31	
FI0009R	31	28	31	30	31	30	31	31	30	31	30	31	
FI0017R	31	28	31	30	31	30	31	31	30	31	30	31	
FI0022R	31	28	31	30	31	30	31	31	30	31	30	31	
FR0003R	31	28	31	30	31	30	31	31	30	31	30	31	
FR0005R	31	28	31	30	31	30	31	31	30	31	30	31	
FR0008R	31	27	31	30	31	30	31	31	30	31	30	31	
FR0009R	31	28	31	30	31	30	31	31	30	31	30	31	
FR0010R	31	28	31	30	31	30	31	31	30	31	30	31	
FR0011R	31	28	31	30	31	30	31	31	30	31	30	31	
FR0012R	31	28	31	30	31	30	31	31	30	31	30	31	
FR0013R	31	28	31	30	31	30	30	31	30	31	30	31	
FR0014R	31	28	31	29	31	30	31	31	30	31	30	31	
GB0002R	31	28	31	30	31	30	31	31	30	31	30	31	
GB0006R	31	28	31	30	31	30	31	31	30	31	30	31	
GB0013R	31	28	31	30	31	30	31	31	30	31	30	31	
GB0014R	31	28	31	30	31	30	31	31	30	31	30	31	
GB0015R	31	28	31	30	31	30	31	31	30	31	30	31	

Table 3.2 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
HU0002R	31	28	31	30	31	30	31	31	30	31	30	31	
IE0002R	31	28	31	30	31	30	31	31	30	31	30	31	
IE0003R	31	28	31	30	31	30	31	31	30	31	30	31	
IE0004R	31	28	31	30	31	30	31	31	30	31	30	31	
IS0002R	31	28	31	30	31	30	31	31	30	31	30	31	
IT0001R	31	27	31	28	30	29	30	30	30	30	30	31	
IT0004R	31	28	31	30	31	30	31	31	30	31	30	31	
LT0015R	4	4	4	5	4	4	5	4	5	4	4	4	
LV0010R	31	28	31	30	31	30	31	31	30	31	30	31	
LV0016R	31	28	30	30	31	30	31	31	30	31	30	31	
NL0009R	31	28	31	30	31	30	31	31	30	31	30	31	
NO0001R	31	28	31	30	31	30	30	31	30	31	30	31	
NO0008R	31	28	31	30	31	30	31	31	28	31	30	31	
NO0015R	27	21	29	29	31	30	31	31	30	31	30	27	
NO0039R	31	28	31	30	31	30	31	31	30	31	30	31	
NO0041R	31	28	31	30	31	30	31	31	30	31	30	31	
NO0055R	31	28	31	30	31	30	29	31	30	31	30	31	
PL0002R	31	28	31	30	31	30	31	31	30	31	30	31	
PL0003R	31	28	31	30	31	30	31	31	30	31	30	31	
PL0004R	31	28	31	30	31	30	31	31	30	31	30	31	
PL0005R	31	28	31	30	31	27	30	31	30	31	30	31	
PT0001R	31	28	31	30	31	30	31	31	30	31	30	31	
PT0003R	31	28	31	30	31	30	31	31	30	31	30	31	
PT0004R	31	28	31	30	31	30	31	31	30	31	30	31	
RU0001R	31	28	31	30	31	30	31	30	30	31	30	31	
RU0013R	31	28	31	30	31	30	31	31	30	31	30	31	
RU0016R	31	28	31	30	31	30	31	31	30	31	30	31	
SE0002R	31	28	31	30	31	30	31	31	30	31	30	31	
SE0005R	5	5	6	5	5	6	7	6	5	5	6	5	
SE0011R	5	5	6	5	5	5	5	5	4	5	6	5	
SE0012R	5	5	6	5	5	5	5	6	5	5	6	5	
SK0002R	31	28	31	29	31	30	31	31	30	31	30	31	
SK0004R	31	28	31	30	31	30	31	31	30	31	30	31	
SK0005R	31	28	31	30	31	30	31	31	30	31	30	31	
SK0006R	31	28	31	30	31	30	31	31	30	31	30	31	
TR0001R	31	28	31	30	31	30	31	31	21	0	0	0	
YU0005R	31	28	31	30	31	30	31	31	30	31	30	31	
YU0008R	31	28	31	30	31	30	31	31	29	31	30	31	

Table 3.3: Monthly precipitation amounts in 1998, official gauge.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
FI0004R	65.6	59.9	39.8	13.4	43.8	115.0	97.7	118.3	37.3	82.9	17.6	55.9	
FI0009R	50.0	45.1	26.7	28.9	42.2	61.8	41.1	68.9	45.9	85.6	70.8	52.9	
FI0017R	49.3	34.6	39.9	21.2	46.6	66.4	109.7	169.1	26.3	118.6	29.2	56.5	
FI0022R	79.9	94.4	31.5	28.2	67.8	61.7	120.0	71.3	60.7	108.6	32.7	40.5	
HU0002R	0.0	0.0	0.0	0.0	0.0	0.0	88.1	56.7	83.1	64.4	61.7	27.4	
PL0005R	49.4	41.0	49.1	59.4	50.8	77.3	50.7	81.9	31.4	62.4	38.7	45.6	

Table 3. 4: Precipitation amounts 1998, official gauge. Number of days with measurements.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
FI0004R	31	28	31	30	31	30	31	31	30	31	30	31	
FI0009R	31	28	31	30	31	30	31	31	30	31	30	31	
FI0017R	31	28	31	30	31	30	31	31	30	31	30	31	
FI0022R	31	28	31	30	31	30	31	31	30	31	30	31	
HU0002R	0	0	0	0	0	0	31	31	28	31	30	31	
PL0005R	31	28	31	30	31	27	30	31	30	31	30	31	

Table 3.5: Monthly weighted averages of sulphate in precipitation in 1998. (Unit: mg S/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	1.37	0.50	0.70	1.43	2.65	0.65	0.91	0.79	0.80	1.01	0.49	0.86	A
AT0004R	0.37	1.11	0.38	0.56	1.06	0.34	0.51	0.37	0.18	0.28	0.20	0.27	A
AT0005R	0.58	0.76	0.84	0.58	0.94	0.82	0.64	0.71	0.48	0.18	0.37	0.85	A
CH0002R	0.13	0.41	0.55	0.28	0.47	0.39	0.55	0.55	0.25	0.26	0.21	0.19	A
CH0003R	0.12	0.20	0.47	0.34	0.44	0.31	0.55	0.23	0.24	0.20	0.17	0.27	A
CH0004R	0.16	0.39	0.38	0.32	0.26	0.38	0.53	0.37	0.27	0.20	0.19	0.17	A
CH0005R	0.16	0.25	0.45	0.58	0.56	0.35	0.50	0.30	0.27	0.22	0.21	0.30	A
CZ0001R	1.02	0.83	0.81	0.53	1.35	0.67	0.81	0.90	0.45	0.29	0.49	0.43	A
CZ0003R	0.60	0.69	0.70	1.05	0.82	0.59	0.74	0.65	0.40	0.37	0.51	0.38	A
DE0001R	1.13	1.87	2.21	0.87	1.44	1.02	1.06	1.22	1.15	1.49	0.97	0.91	A
DE0002R	0.51	1.00	0.53	0.86	1.34	0.73	0.75	0.45	0.73	0.49	0.58	0.57	A
DE0003R	0.31	0.51	0.66	0.36	0.73	0.50	0.59	0.56	0.40	0.41	0.36	0.50	A
DE0004R	0.41	0.48	0.67	0.59	0.60	0.58	0.59	0.50	0.63	0.34	0.58	0.63	A
DE0005R	0.38	1.33	0.87	0.66	0.82	0.43	0.79	0.46	0.40	0.38	0.38	0.84	A
DE0007R	0.45	1.11	0.57	1.14	1.10	0.86	1.21	0.79	0.61	0.42	0.61	0.44	A
DE0008R	0.50	0.70	0.58	0.73	0.83	0.66	0.74	0.51	0.33	0.41	0.41	0.84	A
DE0009R	0.51	1.26	0.61	1.56	1.37	0.75	0.96	0.57	0.54	0.78	1.44	0.58	A
DK0003R	0.43	0.54	0.39	0.77	0.66	0.67	0.49	0.47	0.45	0.49	0.83	0.56	A
DK0005R	0.64	1.02	0.43	0.64	1.37	0.62	0.65	0.60	0.56	0.67	0.71	0.46	A
DK0008R	0.61	0.78	0.68	1.10	1.38	0.74	0.58	0.93	0.44	0.58	0.91	0.54	A
EE0009R	1.08	0.61	1.87	1.77	0.51	0.57	0.49	0.19	0.46	0.31	0.49	0.67	A
EE0011R	0.86	0.70	1.57	1.18	1.23	0.47	0.46	0.37	0.72	1.29	1.43	1.68	A
ES0001R	0.59	0.45	0.53	0.72	0.62	0.44	-	2.94	0.67	0.27	0.45	0.33	A
ES0003R	0.75	0.92	8.43	1.68	0.88	1.54	4.08	1.31	1.63	0.70	1.26	0.40	A
ES0004R	1.35	1.16	1.63	0.97	0.98	1.85	0.90	-	-	-	-	-	A
ES0005R	0.57	0.57	-	0.65	0.76	2.45	1.72	-	0.72	0.90	1.01	-	A
ES0006R	-	13.53	17.67	-	-	-	-	-	-	-	-	-	A
ES0007R	0.66	0.32	0.62	0.79	0.67	0.87	-	-	0.56	-	1.05	0.59	A
FI0004R	0.22	0.19	0.19	0.35	0.38	0.30	0.20	0.18	0.43	0.21	0.37	0.23	A
FI0009R	0.83	1.48	0.86	0.53	0.74	0.82	0.36	0.32	0.50	0.79	3.71	0.73	A
FI0017R	1.03	0.80	0.60	0.88	0.37	0.66	0.28	0.43	0.51	0.40	0.54	0.75	A
FI0022R	0.14	0.07	0.13	0.98	0.22	0.31	0.18	0.28	0.29	0.08	0.10	0.10	A
FR0003R	0.28	0.83	0.45	0.50	0.58	0.55	0.56	0.23	0.32	0.28	0.29	0.45	A
FR0005R	1.89	1.04	1.17	0.67	1.08	0.64	0.60	0.86	0.56	0.81	0.80	0.78	A
FR0008R	0.25	0.62	0.37	0.39	0.41	0.55	0.32	0.27	0.28	0.17	0.41	0.54	A
FR0009R	0.26	1.17	0.74	0.33	1.04	0.45	0.53	0.37	0.57	0.36	0.52	0.52	A
FR0010R	0.22	0.35	0.42	0.32	0.56	0.43	0.43	0.35	0.34	0.24	0.37	0.49	A
FR0011R	0.20	0.33	0.35	-	-	-	-	-	-	-	-	-	A
FR0012R	0.23	0.45	0.41	0.44	0.61	0.81	0.62	1.02	0.30	0.28	0.22	0.46	A
FR0013R	0.29	0.43	0.59	0.45	0.75	0.84	1.04	0.73	0.71	0.37	0.39	0.96	A
FR0014R	-	-	-	0.51	0.35	0.36	0.62	0.34	0.28	0.24	0.28	0.36	A
GB0002R	0.51	0.63	0.48	0.48	0.55	0.33	0.28	0.36	0.38	0.26	0.39	0.80	A
GB0006R	0.57	0.55	0.40	0.38	0.35	0.36	0.24	0.24	0.42	0.42	0.42	0.37	A
GB0013R	0.62	0.70	0.69	0.65	0.95	0.47	0.29	0.19	0.52	0.38	0.48	0.34	A
GB0014R	0.82	1.60	1.04	0.98	0.98	0.78	3.58	0.79	1.49	0.62	0.65	1.00	A
GB0015R	0.14	0.36	0.58	0.49	0.68	0.29	0.17	0.30	0.22	0.47	0.16	0.32	A
HU0002R	1.20	0.59	0.37	0.61	0.93	1.06	0.73	0.83	0.70	0.96	0.57	0.69	B
IE0002R	0.53	1.07	0.39	0.42	0.73	0.36	0.39	0.30	0.56	0.30	0.37	0.61	A
IE0003R	0.69	1.19	0.62	0.43	1.20	0.53	0.52	0.73	0.50	0.76	1.02	1.34	A
IE0004R	0.40	0.79	0.36	0.40	0.89	0.48	0.31	0.22	0.85	0.52	0.34	0.59	A
IS0002R	0.44	0.20	0.53	0.16	0.14	0.16	0.09	0.04	0.04	0.12	0.11	0.10	A
IT0001R	0.73	0.44	0.50	0.84	1.16	1.87	2.04	3.76	0.26	0.54	1.79	0.73	A
IT0004R	0.55	1.55	1.52	0.78	0.84	0.82	3.13	0.80	0.86	1.37	0.65	0.50	A
LT0015R	1.33	1.55	1.10	0.92	1.76	0.74	0.75	0.71	0.47	0.90	0.39	0.95	A
LV0010R	0.44	0.61	0.52	0.37	0.64	0.33	0.18	0.20	0.29	0.54	0.23	1.14	C
LV0016R	0.93	0.72	0.90	0.94	0.60	0.48	0.41	0.33	0.52	0.40	0.73	0.70	C
NL0009R	1.09	1.13	0.88	0.79	0.71	0.81	0.82	0.48	0.70	0.83	0.69	0.66	A
NO0001R	0.41	0.64	0.72	0.65	0.86	0.51	0.47	0.42	0.85	0.29	1.08	0.82	A
NO0008R	0.38	0.41	0.66	0.86	0.90	0.41	0.64	0.29	0.29	0.22	0.65	0.41	A
NO0015R	0.20	0.20	0.35	0.48	0.27	0.11	0.08	0.06	0.09	0.07	0.10	0.09	A
NO0039R	0.12	0.24	0.49	0.35	0.26	0.18	0.10	0.07	0.16	0.08	0.13	0.21	A
NO0041R	0.24	0.09	0.36	0.71	0.98	0.22	0.13	0.27	0.33	0.09	0.41	0.21	A
NO0055R	0.19	0.14	0.43	1.08	0.76	0.51	0.64	0.23	0.21	0.24	0.11	0.09	A
PL0002R	1.01	0.93	0.94	1.19	0.65	0.86	1.08	0.92	0.35	0.46	0.89	0.84	A
PL0003R	0.74	1.66	1.01	1.92	1.30	1.23	1.36	1.39	1.04	0.97	1.54	1.22	A
PL0004R	0.63	0.86	0.65	0.93	1.21	0.64	0.53	0.52	0.84	0.41	0.53	0.54	A
PL0005R	0.62	0.85	0.58	1.46	0.82	0.68	0.57	0.56	0.36	0.58	0.43	0.64	B

Table 3.5 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
PT0001R	0.66	0.23	0.76	0.52	-	-	-	3.92	0.34	-	0.07	0.36	A
PT0003R	0.64	0.75	-	0.76	1.11	-	0.91	-	0.42	0.79	2.17	0.51	A
PT0004R	1.04	-	-	0.18	0.69	-	-	-	1.66	-	-	1.63	A
RU0001R	0.25	0.25	0.39	1.25	0.89	0.47	0.59	0.45	0.32	0.27	0.81	0.35	A
RU0013R	0.33	0.36	0.25	1.27	0.72	0.50	0.47	0.27	0.40	0.24	0.39	0.31	A
RU0016R	0.90	1.25	1.33	0.81	0.97	0.80	0.67	0.46	0.41	0.70	1.57	0.88	A
SE0002R	0.42	0.89	0.48	0.63	0.76	0.66	0.57	0.52	0.40	0.59	0.50	0.63	A
SE0005R	0.24	0.08	0.08	0.48	0.30	0.21	0.12	0.09	0.30	0.10	0.22	0.09	A
SE0011R	0.69	0.86	0.47	0.56	1.22	0.58	0.48	0.63	0.33	0.44	1.06	0.80	A
SE0012R	0.29	0.15	0.29	0.61	0.71	0.56	0.28	0.40	0.52	0.33	1.00	0.60	A
SK0002R	0.79	1.12	1.56	1.12	1.43	1.00	0.88	1.32	0.67	0.57	1.29	1.05	A
SK0004R	0.63	0.76	1.86	0.82	0.85	0.99	0.72	1.26	0.56	0.65	0.61	0.76	A
SK0005R	0.82	1.07	0.89	1.05	1.00	0.79	0.74	0.69	0.40	0.53	0.81	0.95	A
SK0006R	0.91	1.15	1.15	0.69	0.53	0.92	0.82	0.81	0.74	1.01	1.03	1.06	A
TR0001R	0.53	1.40	1.02	0.52	0.81	0.75	-	-	-	-	-	-	A
YU0005R	2.09	3.09	3.65	2.32	1.47	0.81	0.97	0.71	1.15	1.02	1.62	2.37	B
YU0008R	0.59	0.36	2.00	0.87	1.24	0.73	2.59	0.88	0.63	0.51	0.46	1.06	B

Table 3.6: Sulphate in precipitation 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	90	98	99	95	100	100	100	100	100	100	99	100	A
AT0004R	98	100	100	99	100	100	99	99	99	99	99	97	A
AT0005R	98	100	100	99	100	99	99	98	99	99	100	88	A
CH0002R	97	98	100	98	100	98	99	99	99	99	99	93	A
CH0003R	99	94	98	98	98	91	99	99	98	99	99	92	A
CH0004R	99	98	98	97	97	99	95	99	100	98	97	99	A
CH0005R	96	97	98	98	97	99	99	99	99	97	98	95	A
CZ0001R	100	69	100	98	98	100	100	100	99	100	77	45	A
CZ0003R	95	95	94	94	95	98	96	94	95	96	99	96	A
DE0001R	99	96	96	98	96	98	99	98	99	91	99	98	A
DE0002R	42	88	52	98	96	99	95	94	76	85	97	76	A
DE0003R	72	68	54	84	98	99	99	99	52	44	90	98	A
DE0004R	79	100	99	97	99	100	100	99	91	85	98	98	A
DE0005R	99	95	98	97	99	99	99	99	100	99	100	98	A
DE0007R	98	94	96	99	98	97	98	99	96	99	93	98	A
DE0008R	50	97	68	97	90	80	99	49	96	69	66	78	A
DE0009R	22	43	83	83	48	68	38	47	98	9	86	71	A
DK0003R	99	98	99	92	99	100	99	99	99	99	98	99	A
DK0005R	97	97	99	99	99	99	99	99	98	100	99	99	A
DK0008R	99	100	100	99	100	100	99	100	100	100	100	99	A
EE0009R	81	100	100	98	100	99	100	100	100	98	100	99	A
EE0011R	100	100	100	100	95	100	100	100	100	100	100	100	A
ES0001R	100	99	100	92	100	100	100	100	99	100	100	97	A
ES0003R	100	93	100	97	100	100	100	100	100	100	68	100	A
ES0004R	100	100	100	100	100	100	94	0	0	0	0	0	A
ES0005R	100	100	100	100	100	100	100	100	99	100	88	0	A
ES0006R	100	100	100	100	100	100	100	100	100	100	100	100	A
ES0007R	100	100	100	98	99	100	100	100	100	0	100	100	A
FI0004R	99	98	98	98	97	99	98	97	97	99	88	99	A
FI0009R	79	70	35	29	99	98	98	96	98	91	11	40	A
FI0017R	97	97	98	99	99	95	99	99	99	99	94	96	A
FI0022R	99	99	98	97	99	99	99	97	99	99	96	98	A
FR0003R	100	89	100	97	81	95	92	96	96	99	79	98	A
FR0005R	70	91	93	87	99	99	96	90	98	95	96	98	A
FR0008R	93	95	67	71	95	75	68	99	99	97	96	92	A
FR0009R	84	89	93	97	96	82	95	100	95	98	95	92	A
FR0010R	99	95	92	96	91	96	90	78	96	94	98	83	A
FR0011R	97	94	98	0	0	0	0	0	0	0	0	0	A
FR0012R	92	86	88	99	96	98	99	90	100	100	89	94	A
FR0013R	100	97	97	96	97	99	97	100	98	98	98	89	A
FR0014R	0	0	0	79	96	97	98	97	99	89	98	91	A
GB0002R	99	99	99	99	99	99	99	99	99	99	100	99	A
GB0006R	99	99	99	99	99	100	99	99	100	99	99	82	A
GB0013R	99	100	99	100	98	100	99	100	99	82	100	99	A
GB0014R	99	93	99	99	99	99	95	99	54	99	99	99	A
GB0015R	99	99	98	99	99	99	99	99	99	100	99	99	A

Table 3.6 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
HU0002R	100	100	100	100	100	100	100	100	100	100	100	100	B
IE0002R	100	100	100	100	100	100	99	99	99	100	90	99	A
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100	A
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100	A
IS0002R	100	100	100	100	100	100	100	100	100	100	100	100	A
IT0001R	100	57	100	36	72	30	46	0	100	99	100	100	A
IT0004R	100	100	100	100	100	100	0	100	100	0	100	100	A
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100	A
LV0010R	100	100	100	100	100	100	100	100	100	100	100	98	C
LV0016R	93	96	92	91	97	99	99	100	98	100	84	96	C
NL0009R	99	98	98	99	99	98	99	99	99	98	99	99	A
NO0001R	97	96	97	95	97	99	81	96	97	99	97	97	A
NO0008R	99	99	98	97	97	99	98	98	91	99	97	96	A
NO0015R	58	71	80	72	94	95	77	95	98	99	89	56	A
NO0039R	98	99	99	91	98	98	99	99	98	100	95	100	A
NO0041R	97	94	99	98	96	99	100	99	99	98	100	100	A
NO0055R	76	85	83	82	93	96	72	91	93	86	60	59	A
PL0002R	99	99	99	100	100	99	98	99	98	98	98	98	A
PL0003R	100	98	99	98	100	99	98	99	100	99	98	98	A
PL0004R	96	97	99	98	96	99	98	94	89	98	97	87	A
PL0005R	100	100	98	99	100	100	82	100	96	100	100	100	B
PT0001R	100	100	100	100	100	100	100	0	100	100	100	100	A
PT0003R	100	100	100	100	100	100	100	100	100	100	100	100	A
PT0004R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0013R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100	A
SE0002R	100	100	99	99	100	100	98	99	99	100	100	99	A
SE0005R	100	100	100	100	100	100	100	100	100	99	100	100	A
SE0011R	100	100	100	99	100	100	100	100	100	100	100	100	A
SE0012R	100	100	100	100	100	100	100	100	100	100	100	100	A
SK0002R	76	83	70	91	90	98	98	91	99	95	94	90	A
SK0004R	89	78	63	85	87	95	86	94	98	91	91	75	A
SK0005R	87	86	59	95	86	96	89	79	93	92	89	65	A
SK0006R	88	86	89	82	96	99	95	98	98	96	89	84	A
TR0001R	100	100	100	99	100	100	100	100	100	0	0	0	A
YU0005R	100	100	99	98	100	96	99	97	99	97	99	93	B
YU0008R	91	98	89	99	99	97	99	100	99	99	97	98	B

Table 3.7: Monthly weighted averages of sulphate in precipitation corrected for seaspray in 1998. (Unit: mg S/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	1.19	0.49	0.64	1.40	2.62	0.64	0.89	0.76	0.79	0.99	0.48	0.85	A
AT0004R	0.36	1.03	0.36	0.55	1.06	0.33	0.49	0.36	0.18	0.27	0.18	0.25	A
AT0005R	0.51	0.75	0.83	0.56	0.94	0.81	0.64	0.70	0.47	0.17	0.36	0.83	A
CH0002R	0.12	0.40	0.53	0.27	0.46	0.37	0.54	0.54	0.24	0.24	0.20	0.18	A
CH0003R	0.11	0.20	0.44	0.34	0.43	0.29	0.54	0.22	0.23	0.18	0.16	0.25	A
CH0004R	0.14	0.39	0.37	0.32	0.25	0.35	0.51	0.36	0.25	0.19	0.18	0.15	A
CH0005R	0.15	0.25	0.44	0.58	0.54	0.33	0.50	0.30	0.27	0.22	0.20	0.28	A
CZ0001R	0.96	0.79	0.76	0.53	1.33	0.67	0.80	0.88	0.43	0.26	0.48	0.41	A
CZ0003R	0.58	0.68	0.66	1.03	0.81	0.58	0.72	0.64	0.39	0.35	0.49	0.35	A
DE0001R	0.42	1.01	1.09	0.72	1.06	0.82	0.59	0.60	0.79	0.62	0.51	0.55	A
DE0002R	0.43	0.87	0.48	0.84	1.32	0.71	0.71	0.40	0.71	0.45	0.51	0.51	A
DE0003R	0.27	0.49	0.63	0.35	0.71	0.49	0.58	0.54	0.37	0.38	0.34	0.46	A
DE0004R	0.34	0.45	0.62	0.57	0.58	0.56	0.57	0.47	0.58	0.31	0.54	0.58	A
DE0005R	0.36	1.29	0.83	0.64	0.82	0.43	0.77	0.45	0.38	0.36	0.37	0.77	A
DE0007R	0.41	1.02	0.53	1.12	1.08	0.84	1.18	0.76	0.59	0.36	0.58	0.42	A
DE0008R	0.46	0.66	0.54	0.72	0.82	0.64	0.73	0.49	0.32	0.38	0.39	0.77	A
DE0009R	0.40	1.15	0.54	1.52	1.26	0.71	0.88	0.51	0.49	0.53	1.29	0.52	A
DK0003R	0.26	0.42	0.28	0.73	0.64	0.59	0.44	0.41	0.40	0.25	0.70	0.37	A
DK0005R	0.25	0.73	0.33	0.57	1.28	0.57	0.55	0.46	0.46	0.36	0.55	0.36	A
DK0008R	0.36	0.42	0.40	1.03	1.03	0.49	0.31	0.54	0.35	0.23	0.60	0.38	A
EE0009R	0.99	0.54	1.74	1.72	0.47	0.54	0.47	0.17	0.40	0.26	0.48	0.63	A
EE0011R	0.77	0.62	1.28	1.10	1.12	0.42	0.44	0.31	0.66	1.19	1.37	1.59	A

Table 3.7 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
ES0001R	0.53	0.41	0.51	0.67	0.60	0.40	-	2.83	0.63	0.25	0.40	0.30	A
ES0003R	0.66	0.67	8.31	1.57	0.85	1.34	3.97	1.27	1.53	0.67	1.21	0.36	A
ES0004R	1.27	1.08	1.36	0.83	0.94	1.76	0.86	-	-	-	-	-	A
ES0005R	0.28	0.48	-	0.32	0.66	2.15	1.49	-	0.58	0.73	0.86	-	A
ES0006R	-	-3.57	4.53	-	-	-	-	-	-	-	-	-	A
ES0007R	0.61	0.25	0.58	0.73	0.64	0.84	-	-	0.49	-	1.00	0.55	A
FI0004R	0.21	0.18	0.18	0.35	0.38	0.29	0.19	0.17	0.42	0.20	0.36	0.23	A
FI0009R	0.58	1.24	0.67	0.50	0.70	0.77	0.27	0.27	0.41	0.39	2.79	0.53	A
FI0017R	1.00	0.73	0.59	0.87	0.36	0.66	0.27	0.42	0.48	0.35	0.49	0.71	A
FI0022R	0.14	0.06	0.12	0.97	0.21	0.31	0.18	0.28	0.29	0.08	0.10	0.09	A
FR0003R	0.17	0.74	0.39	0.45	0.54	0.49	0.54	0.22	0.27	0.25	0.19	0.38	A
FR0005R	0.24	0.49	0.68	0.28	0.91	0.38	0.40	0.43	0.32	0.22	0.24	0.32	A
FR0008R	0.21	0.60	0.32	0.37	0.41	0.53	0.31	0.25	0.26	0.14	0.39	0.51	A
FR0009R	0.18	1.08	0.65	0.31	1.01	0.44	0.52	0.34	0.53	0.31	0.46	0.46	A
FR0010R	0.18	0.33	0.35	0.31	0.54	0.41	0.42	0.34	0.30	0.21	0.32	0.44	A
FR0011R	0.16	0.31	0.31	-	-	-	-	-	-	-	-	-	A
FR0012R	0.12	0.35	0.32	0.33	0.59	0.73	0.60	0.98	0.25	0.26	0.15	0.35	A
FR0013R	0.19	0.28	0.49	0.35	0.73	0.72	1.01	0.66	0.63	0.32	0.29	0.57	A
FR0014R	-	-	-	0.49	0.34	0.34	0.61	0.33	0.26	0.21	0.26	0.33	A
GB0002R	0.33	0.44	0.42	0.43	0.46	0.28	0.24	0.29	0.32	0.14	0.23	0.23	A
GB0006R	0.10	0.15	0.17	0.29	0.26	0.29	0.16	0.15	0.23	0.07	0.12	0.17	A
GB0013R	0.13	0.36	0.46	0.35	0.88	0.38	0.24	0.15	0.35	0.19	0.23	0.17	A
GB0014R	0.50	1.39	0.95	0.72	0.84	0.72	3.33	0.73	1.40	0.45	0.52	0.61	A
GB0015R	0.07	0.09	0.16	0.37	0.41	0.20	0.12	0.22	0.14	0.07	0.05	0.05	A
HU0002R	1.15	0.50	0.33	0.56	0.88	1.01	0.69	0.77	0.58	0.91	0.54	0.60	B
IE0002R	0.15	0.65	0.29	0.32	0.66	0.32	0.34	0.26	0.47	0.17	0.19	0.26	A
IE0003R	0.07	0.63	0.34	0.30	0.88	0.44	0.39	0.53	0.32	0.17	0.07	0.26	A
IE0004R	0.13	0.47	0.27	0.32	0.80	0.44	0.26	0.19	0.73	0.30	0.18	0.18	A
IS0002R	-1.08	-0.23	-0.40	-0.10	-0.19	0.09	0.04	0.01	-0.08	-0.03	-0.12	-0.16	A
IT0001R	0.52	0.40	0.47	0.61	1.09	1.44	1.83	3.62	0.21	0.47	1.45	0.52	A
IT0004R	0.52	1.53	1.48	0.73	0.83	0.81	3.11	0.79	0.86	1.36	0.62	0.49	A
LT0015R	0.74	0.91	0.70	0.86	1.45	0.62	0.64	0.53	0.39	0.42	0.21	0.59	A
LV0010R	0.36	0.53	0.46	0.34	0.61	0.30	0.17	0.17	0.28	0.47	0.21	1.08	C
LV0016R	0.85	0.65	0.78	0.89	0.59	0.47	0.32	0.31	0.51	0.35	0.69	0.65	C
NL0009R	0.85	0.90	0.71	0.74	0.64	0.74	0.73	0.21	0.48	0.50	0.40	0.44	A
NO0001R	0.35	0.32	0.59	0.60	0.84	0.47	0.43	0.39	0.80	0.21	0.93	0.55	A
NO0008R	0.28	0.23	0.50	0.82	0.85	0.37	0.58	0.25	0.26	0.10	0.55	0.23	A
NO0015R	0.09	0.04	0.05	0.47	0.23	0.10	0.07	0.05	0.08	0.03	0.06	0.03	A
NO0039R	0.04	0.04	0.14	0.34	0.15	0.17	0.09	0.05	0.14	0.03	0.06	0.03	A
NO0041R	0.23	0.08	0.35	0.70	0.97	0.22	0.12	0.26	0.32	0.08	0.38	0.19	A
NO0055R	0.15	0.11	0.37	1.01	0.70	0.49	0.62	0.23	0.19	0.21	0.09	0.05	A
PL0002R	0.97	0.91	0.90	1.17	0.64	0.85	1.06	0.90	0.34	0.44	0.86	0.81	A
PL0003R	0.67	1.59	0.92	1.84	1.25	1.18	1.33	1.34	1.00	0.95	1.51	1.19	A
PL0004R	0.55	0.77	0.52	0.90	1.17	0.60	0.49	0.47	0.80	0.27	0.47	0.45	A
PL0005R	0.58	0.80	0.53	1.41	0.80	0.67	0.55	0.53	0.35	0.55	0.42	0.62	B
PT0001R	0.61	0.21	0.71	0.47	-	-	-	3.36	0.31	-	0.07	0.32	A
PT0003R	0.33	0.65	-	0.31	1.07	-	0.82	-	0.27	0.65	1.66	0.26	A
PT0004R	0.57	-	-	-0.04	0.54	-	-	-	1.46	-	-	0.95	A
RU0001R	0.20	0.19	0.30	1.18	0.75	0.45	0.57	0.43	0.30	0.22	0.62	0.18	A
RU0013R	0.31	0.32	0.23	1.25	0.68	0.46	0.43	0.24	0.37	0.23	0.36	0.28	A
RU0016R	0.53	1.05	1.00	0.74	0.67	0.74	0.62	0.43	0.38	0.51	1.25	0.70	A
SE0002R	0.28	0.65	0.28	0.61	0.67	0.54	0.39	0.41	0.35	0.30	0.41	0.56	A
SE0005R	0.23	0.05	0.07	0.47	0.29	0.20	0.11	0.09	0.29	0.09	0.21	0.07	A
SE0011R	0.56	0.81	0.38	0.53	1.17	0.48	0.42	0.42	0.27	0.35	0.99	0.75	A
SE0012R	0.26	0.11	0.25	0.57	0.69	0.55	0.27	0.37	0.49	0.28	0.91	0.58	A
SK0002R	0.75	1.10	1.52	1.09	1.40	0.98	0.87	1.31	0.66	0.56	1.27	1.02	A
SK0004R	0.61	0.74	1.80	0.81	0.84	0.97	0.70	1.22	0.55	0.63	0.60	0.74	A
SK0005R	0.78	1.04	0.85	1.02	0.98	0.78	0.72	0.68	0.39	0.51	0.78	0.92	A
SK0006R	0.88	1.12	1.12	0.67	0.52	0.90	0.80	0.80	0.72	1.00	1.00	1.03	A
TR0001R	0.52	1.37	0.99	0.51	0.78	0.71	-	-	-	-	-	-	A
YU0005R	1.83	2.88	3.48	2.16	1.30	0.73	0.90	0.65	1.09	0.92	1.55	2.23	B
YU0008R	0.48	0.34	1.82	0.70	1.10	0.60	2.37	0.77	0.54	0.47	0.40	1.01	B

Table 3.8: Sulphate in precipitation corrected for seaspray 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	90	98	99	95	100	100	100	100	100	100	99	100	A
AT0004R	98	100	100	99	100	100	99	99	99	99	99	97	A
AT0005R	98	100	100	99	100	99	99	98	99	99	100	88	A
CH0002R	97	98	100	98	100	98	99	99	99	99	99	93	A
CH0003R	99	94	98	98	98	91	99	99	98	99	99	92	A
CH0004R	99	98	98	97	97	99	95	99	100	98	97	99	A
CH0005R	96	97	98	98	97	99	99	99	99	97	98	95	A
CZ0001R	100	69	100	98	98	100	100	100	99	100	77	45	A
CZ0003R	95	95	94	94	95	98	96	94	95	96	99	96	A
DE0001R	99	96	96	98	96	98	99	98	99	91	99	98	A
DE0002R	42	88	52	98	96	99	95	94	76	85	97	76	A
DE0003R	72	68	54	84	98	99	99	99	52	44	90	98	A
DE0004R	79	100	99	97	99	100	100	99	91	85	98	98	A
DE0005R	99	95	98	97	99	99	99	99	100	99	100	98	A
DE0007R	98	94	96	99	98	97	98	99	96	99	93	98	A
DE0008R	50	97	68	97	90	80	99	49	96	69	66	78	A
DE0009R	22	43	83	83	48	68	38	47	98	9	86	71	A
DK0003R	99	98	99	92	99	100	99	99	99	99	98	99	A
DK0005R	97	97	99	99	99	99	99	99	98	100	99	99	A
DK0008R	99	100	100	99	100	100	99	100	100	100	100	99	A
EE0009R	81	100	100	98	100	99	100	100	100	98	100	99	A
EE0011R	100	100	100	100	95	100	100	100	100	100	100	100	A
ES0001R	100	99	100	92	100	100	100	100	99	100	100	97	A
ES0003R	100	93	78	97	100	100	100	100	100	100	68	100	A
ES0004R	100	100	100	96	100	100	94	0	0	0	0	0	A
ES0005R	100	100	100	95	100	100	100	100	99	99	88	0	A
ES0006R	100	100	100	100	100	100	100	100	100	100	100	100	A
ES0007R	100	100	100	98	99	100	100	100	100	0	100	100	A
FI0004R	99	98	98	98	97	99	98	97	97	99	88	99	A
FI0009R	79	70	35	29	99	98	98	96	98	91	11	40	A
FI0017R	97	97	98	99	99	95	99	99	99	99	94	96	A
FI0022R	99	99	98	97	99	99	99	97	99	99	96	98	A
FR0003R	100	89	100	97	81	95	92	96	96	99	79	98	A
FR0005R	70	91	93	87	99	99	96	90	98	95	96	98	A
FR0008R	93	95	67	71	95	75	68	99	99	97	96	92	A
FR0009R	84	89	93	97	96	82	95	100	95	98	95	92	A
FR0010R	99	95	92	96	91	96	90	78	96	94	98	83	A
FR0011R	97	94	98	0	0	0	0	0	0	0	0	0	A
FR0012R	92	86	88	99	96	98	99	90	100	100	89	94	A
FR0013R	100	97	97	96	97	99	97	100	98	98	98	89	A
FR0014R	0	0	0	79	96	97	98	97	99	89	98	91	A
GB0002R	99	99	99	99	99	99	99	99	99	99	100	99	A
GB0006R	99	99	99	99	99	100	99	99	100	99	99	82	A
GB0013R	99	100	99	100	98	100	99	100	99	82	100	99	A
GB0014R	99	93	99	99	99	99	95	99	54	99	99	99	A
GB0015R	99	99	98	99	99	99	99	99	99	100	99	99	A
HU0002R	100	100	100	100	100	100	100	100	100	100	100	100	B
IE0002R	100	100	100	100	100	100	99	99	99	100	90	98	A
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100	A
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100	A
IS0002R	100	100	100	100	100	100	100	100	100	100	100	100	A
IT0001R	100	57	100	36	72	30	46	0	100	99	100	100	A
IT0004R	100	100	100	100	100	100	0	100	100	0	100	100	A
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100	A
LV0010R	100	100	100	100	100	100	100	100	100	100	100	98	C
LV0016R	93	96	92	91	97	99	99	96	98	100	84	96	C
NL0009R	99	98	98	99	99	98	99	99	99	98	99	99	A
NO0001R	97	96	97	95	97	99	81	96	97	99	97	97	A
NO0008R	99	99	98	97	97	99	98	98	91	99	97	96	A
NO0015R	58	71	80	72	94	95	77	95	98	99	89	56	A
NO0039R	98	99	99	91	98	98	99	99	98	100	95	100	A
NO0041R	97	94	99	98	96	99	100	99	99	98	100	100	A
NO0055R	76	85	83	82	93	96	72	91	93	86	60	59	A
PL0002R	99	99	99	100	100	99	98	99	98	98	98	98	A
PL0003R	100	98	99	98	100	99	98	99	100	99	98	98	A
PL0004R	96	97	99	98	96	99	98	94	89	98	97	87	A
PL0005R	100	100	98	99	100	100	82	100	96	100	100	100	B

Table 3.8 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
PT0001R	100	100	100	100	100	100	100	0	100	100	100	100	A
PT0003R	100	100	100	100	100	100	100	100	100	100	100	100	A
PT0004R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0013R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100	A
SE0002R	100	99	99	99	100	100	98	99	99	100	100	99	A
SE0005R	100	100	100	100	100	100	100	100	100	99	100	100	A
SE0011R	100	100	100	99	100	100	100	100	100	100	100	100	A
SE0012R	100	100	100	100	100	99	100	100	100	100	100	100	A
SK0002R	76	83	70	91	90	98	98	91	99	95	94	90	A
SK0004R	89	78	63	85	87	95	86	94	98	91	91	75	A
SK0005R	87	86	59	95	86	96	89	79	93	92	89	65	A
SK0006R	88	86	89	82	96	99	95	98	98	96	89	84	A
TR0001R	100	100	100	99	100	100	100	100	100	0	0	0	A
YU0005R	97	100	94	98	100	96	99	97	99	96	99	90	B
YU0008R	91	98	89	99	99	97	99	100	99	99	97	98	B

Table 3.9: Monthly weighted averages of strong acid in precipitation in 1998. (Unit: µe H/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
HU0002R	-9.	-91.	-30.	-51.	-20.	-29.	-1.	-1.	-36.	2.	9.	-4.	A
NL0009R	-7.	-43.	7.	-5.	-24.	-3.	24.	-2.	-9.	5.	12.	-7.	-

Table 3.10: Strong acid in precipitation 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
HU0002R	100	100	100	94	100	100	93	100	97	97	100	100	A
NL0009R	99	100	98	99	99	99	99	99	99	99	99	99	-

Table 3.11: Monthly weighted averages of ammonium in precipitation in 1998. (Unit: mg N/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	0.45	0.64	0.56	1.63	1.21	0.50	0.65	0.52	0.48	0.74	0.38	0.54	A
AT0004R	0.16	0.67	0.23	0.71	1.00	0.47	0.69	0.70	0.13	0.23	0.12	0.13	A
AT0005R	0.38	0.36	0.65	0.34	0.65	0.82	0.53	0.54	0.30	0.06	0.18	0.39	A
CH0002R	0.16	0.57	0.70	0.33	1.34	0.55	0.69	0.58	0.33	0.42	0.28	0.36	A
CH0003R	0.17	0.32	0.57	0.42	0.86	0.49	0.73	0.41	0.30	0.20	0.20	0.30	A
CH0004R	0.08	0.41	0.47	0.25	0.50	0.36	0.48	0.32	0.19	0.14	0.10	0.09	A
CH0005R	0.14	0.33	0.49	0.88	0.75	0.41	0.71	0.56	0.29	0.25	0.20	0.32	A
CZ0001R	0.73	0.73	0.76	0.69	1.19	0.52	0.50	0.94	0.27	0.26	0.33	0.39	A
CZ0003R	0.32	0.65	0.51	1.35	0.82	0.51	0.79	0.90	0.40	0.34	0.38	0.22	A
DE0001R	0.35	1.23	0.83	0.93	0.94	0.80	0.27	0.37	0.83	0.28	0.40	0.47	B
DE0002R	0.40	1.03	0.47	1.36	1.29	0.73	0.76	0.42	0.74	0.31	0.50	0.51	B
DE0003R	0.20	0.58	0.70	0.34	1.24	0.49	0.67	0.33	0.23	0.21	0.20	0.23	B
DE0004R	0.28	0.63	0.90	0.44	0.76	0.38	0.38	0.63	0.41	0.18	0.24	0.29	B
DE0005R	0.49	1.46	1.34	0.99	1.65	0.32	0.83	0.61	0.32	0.38	0.34	0.83	B
DE0007R	0.33	1.32	0.69	1.07	1.61	1.12	1.79	0.58	0.45	0.26	0.49	0.38	B
DE0008R	0.39	1.07	0.71	0.97	0.78	0.85	0.69	0.57	0.25	0.21	0.38	0.84	B
DE0009R	0.29	1.21	0.44	1.09	1.13	0.31	0.91	0.51	0.31	0.15	0.47	0.65	B
DK0003R	0.27	0.39	0.29	0.98	1.09	0.73	0.45	0.47	0.36	0.19	0.27	0.33	A
DK0005R	0.23	0.79	0.32	0.68	1.24	0.75	0.85	0.62	0.56	0.22	0.56	0.37	A
DK0008R	0.32	0.44	0.37	0.97	0.82	0.34	0.20	0.38	0.28	0.20	0.34	0.39	A
EE0009R	0.24	0.13	0.45	0.36	0.22	0.18	0.14	0.07	0.04	0.05	0.21	0.26	A
EE0011R	0.24	0.25	0.23	0.29	0.80	0.61	0.37	0.51	0.72	0.18	0.14	0.36	A

Table 3.11 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
ES0001R	0.22	0.13	0.28	0.16	0.46	0.15	-	2.10	0.21	0.10	0.12	0.11	B
ES0003R	0.21	0.42	3.15	0.36	0.74	0.48	1.37	0.62	1.16	0.48	0.32	0.21	B
ES0004R	1.26	0.94	1.38	0.64	0.47	1.10	1.04	1.01	1.25	1.88	0.54	0.74	B
ES0005R	0.02	0.01	-	0.05	0.29	0.28	0.17	-	0.17	0.14	0.17	-	B
ES0006R	-	0.51	0.82	-	-	-	-	-	-	-	-	-	B
ES0007R	0.25	0.01	0.31	0.38	0.31	0.40	-	-	0.07	-	0.01	0.01	B
FI0004R	0.08	0.15	0.06	0.14	0.27	0.17	0.11	0.11	0.26	0.10	0.15	0.09	A
FI0009R	0.36	0.63	0.37	0.25	0.47	0.33	0.15	0.20	0.24	0.33	1.15	0.22	A
FI0017R	0.44	0.52	0.48	0.71	0.39	0.51	0.20	0.38	0.22	0.18	0.49	0.28	A
FI0022R	0.03	0.01	0.03	0.52	0.08	0.17	0.04	0.14	0.11	0.03	0.04	0.02	A
FR0003R	0.07	1.25	0.35	0.36	0.56	0.46	0.49	0.26	0.29	0.16	0.10	0.24	A
FR0005R	0.28	0.54	1.14	0.33	0.73	0.37	0.29	0.26	0.33	0.19	0.30	0.47	A
FR0008R	0.17	1.14	0.53	0.37	0.52	0.40	0.43	0.30	0.20	0.11	0.27	0.38	A
FR0009R	0.14	2.10	1.02	0.37	1.08	0.37	0.32	0.51	0.46	0.21	0.36	0.43	A
FR0010R	0.10	0.65	0.62	0.28	0.57	0.33	0.41	0.50	0.21	0.22	0.22	0.36	A
FR0011R	0.13	0.56	0.59	-	-	-	-	-	-	-	-	-	A
FR0012R	0.10	0.43	0.24	0.23	0.54	0.78	0.38	0.95	0.14	0.31	0.09	1.29	A
FR0013R	0.14	0.47	0.57	0.28	0.66	0.65	0.67	0.66	0.36	0.15	0.15	0.26	A
FR0014R	-	-	-	0.34	0.41	0.33	0.51	0.32	0.20	0.16	0.18	0.26	A
GB0002R	0.28	0.46	0.33	0.26	0.36	0.17	0.14	0.31	0.22	0.09	0.17	0.22	B
GB0006R	0.12	0.08	0.18	0.25	0.19	0.20	0.08	0.08	0.26	0.05	0.08	0.14	B
GB0013R	0.11	0.49	0.39	0.26	1.07	0.30	0.18	0.40	0.30	0.08	0.21	0.22	B
GB0014R	0.31	1.40	1.02	0.40	0.91	0.41	0.79	0.60	1.34	0.28	0.38	0.56	B
GB0015R	0.02	0.04	0.05	0.09	0.26	0.07	0.16	0.24	0.20	0.03	0.02	0.03	B
HU0002R	0.27	0.82	0.24	0.39	0.46	0.96	0.31	0.67	0.35	0.39	0.42	0.31	B
IE0002R	0.13	0.87	0.44	0.39	0.89	0.53	0.52	0.51	0.54	0.21	0.20	0.19	A
IE0003R	0.13	0.58	0.39	0.39	0.99	0.31	0.21	0.29	0.32	0.18	0.09	0.10	A
IE0004R	0.30	0.83	0.54	0.58	1.20	0.58	0.30	0.16	1.02	0.36	0.29	0.31	A
IT0001R	0.44	0.25	0.33	0.11	0.55	0.42	1.05	1.50	0.00	0.28	0.99	0.44	B
IT0004R	0.39	2.10	1.67	0.82	0.86	1.16	1.53	0.89	0.98	0.51	0.24	0.55	A
LT0015R	0.31	1.07	0.35	0.51	1.34	0.35	0.43	0.32	0.12	0.24	0.20	0.32	A
LV0010R	0.27	0.44	0.48	0.44	0.68	0.37	0.24	0.21	0.22	0.31	0.15	0.31	A
LV0016R	0.74	0.56	0.91	0.80	0.36	0.40	0.10	0.04	0.28	0.21	0.49	0.45	A
NL0009R	0.46	2.00	0.44	1.36	2.10	1.02	0.88	0.22	0.76	0.46	0.45	0.60	A
NO0001R	0.32	0.25	0.98	0.44	0.53	0.38	0.28	0.30	0.51	0.14	0.65	0.45	A
NO0008R	0.24	0.28	0.70	0.62	0.55	0.35	0.52	0.23	0.19	0.12	0.45	0.27	A
NO0015R	0.16	0.11	0.20	0.39	0.36	0.25	0.10	0.13	0.08	0.12	0.16	0.17	A
NO0039R	0.07	0.06	0.14	0.22	0.14	0.15	0.04	0.20	0.11	0.06	0.05	0.11	A
NO0041R	0.17	0.18	0.40	0.41	1.02	0.23	0.07	0.24	0.26	0.05	0.22	0.24	A
NO0055R	0.29	0.13	0.20	0.41	0.32	0.10	0.28	0.07	0.14	0.10	0.07	0.18	A
PL0002R	0.78	0.99	0.86	1.11	0.53	0.71	0.90	0.67	0.26	0.34	0.59	0.58	A
PL0003R	0.54	1.68	0.98	1.88	1.16	0.36	0.49	0.77	0.41	0.40	0.44	0.44	A
PL0004R	0.49	0.87	0.52	0.68	1.05	0.55	0.39	0.45	0.52	0.17	0.24	0.33	A
PL0005R	0.40	0.81	0.40	1.73	0.67	0.41	0.58	0.32	0.10	0.45	0.44	0.42	B
PT0001R	0.14	0.24	0.38	0.11	-	-	-	0.07	0.07	-	0.01	0.11	A
PT0003R	0.15	0.34	-	0.07	1.71	-	0.57	-	0.12	0.29	0.11	0.16	A
PT0004R	0.08	-	-	0.06	0.11	-	-	-	0.49	-	-	0.17	A
RU0001R	0.07	0.14	0.40	0.66	0.36	0.04	0.04	0.09	0.06	0.10	0.52	0.59	A
RU0013R	0.32	0.32	0.28	0.71	0.48	0.05	0.06	0.09	0.07	0.15	0.29	0.29	A
RU0016R	0.14	0.57	0.83	0.39	0.25	0.77	0.17	0.03	0.06	0.08	0.27	0.14	A
SE0002R	0.24	0.60	0.42	0.65	0.67	0.45	0.18	0.36	0.28	0.20	0.27	0.48	A
SE0005R	0.05	0.02	0.03	0.30	0.11	0.37	0.05	0.04	0.18	0.05	0.07	0.04	A
SE0011R	0.58	1.03	0.43	0.56	1.23	0.45	0.40	0.48	0.36	0.41	0.77	0.75	A
SE0012R	0.19	0.08	0.20	0.40	0.51	0.34	0.17	0.27	0.30	0.14	0.41	0.22	A
SK0002R	0.41	0.65	1.00	0.63	0.97	0.62	0.50	0.90	0.34	0.31	0.61	0.42	B
SK0004R	0.06	0.13	0.80	0.20	0.56	0.61	0.37	1.09	0.20	0.35	0.23	0.22	B
SK0005R	0.34	0.55	0.52	0.49	0.53	0.24	0.35	0.49	0.12	0.31	0.42	0.38	B
SK0006R	0.34	0.59	0.73	0.31	0.18	0.46	0.45	0.77	0.42	0.38	0.41	0.46	B
TR0001R	0.18	0.36	0.59	0.32	0.35	0.40	-	-	-	-	-	-	A
YU0005R	0.40	0.50	0.80	0.54	0.60	0.49	0.34	0.60	0.41	0.48	0.58	0.95	B
YU0008R	0.33	1.03	0.58	0.37	0.29	0.72	0.65	0.51	0.25	0.15	0.34	0.41	B

Table 3.12: Ammonium in precipitation 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	90	98	99	95	100	100	100	100	100	100	99	100	A
AT0004R	97	100	93	99	100	99	99	99	99	98	99	97	A
AT0005R	44	100	100	99	99	99	99	98	99	99	100	88	A
CH0002R	97	98	100	98	100	98	99	99	99	99	99	93	A
CH0003R	99	94	98	98	98	91	99	99	98	99	99	92	A
CH0004R	99	98	98	97	97	99	95	99	100	98	97	99	A
CH0005R	96	97	98	98	97	99	99	99	99	97	98	95	A
CZ0001R	100	63	100	98	98	100	97	72	99	100	77	45	A
CZ0003R	95	97	94	88	96	99	96	94	99	96	99	96	A
DE0001R	99	96	96	98	96	98	99	98	99	91	99	98	B
DE0002R	42	88	52	98	96	99	95	94	77	85	97	76	B
DE0003R	72	68	54	84	98	99	99	99	52	44	90	98	B
DE0004R	79	100	99	97	99	100	100	99	91	85	98	98	B
DE0005R	99	95	98	97	99	99	99	99	100	99	99	98	B
DE0007R	98	94	96	99	98	97	98	99	96	99	93	98	B
DE0008R	50	97	68	97	90	80	99	49	96	69	66	78	B
DE0009R	22	43	83	83	48	68	38	47	98	34	86	71	B
DK0003R	98	98	99	92	97	97	99	99	97	99	89	99	A
DK0005R	99	97	98	98	92	99	79	98	98	100	98	97	A
DK0008R	99	100	100	99	100	100	99	100	100	100	100	99	A
EE0009R	66	87	96	100	100	100	100	99	93	97	97	99	A
EE0011R	100	100	100	100	100	100	100	100	100	100	100	100	A
ES0001R	98	99	98	92	100	100	100	100	99	100	100	97	B
ES0003R	100	85	78	93	99	100	100	100	100	100	68	100	B
ES0004R	100	100	100	100	100	97	94	100	100	100	100	70	B
ES0005R	100	100	100	99	100	100	100	100	99	99	84	0	B
ES0006R	100	100	100	100	100	100	100	100	100	100	100	100	B
ES0007R	100	99	100	94	98	100	100	100	100	0	100	100	B
FI0004R	99	98	98	98	97	99	98	97	97	99	88	99	A
FI0009R	79	70	35	29	99	98	98	96	98	91	11	40	A
FI0017R	97	97	98	99	99	95	99	99	99	99	94	96	A
FI0022R	99	99	98	97	99	99	99	97	99	99	96	98	A
FR0003R	100	89	100	97	81	95	96	96	96	99	79	98	A
FR0005R	70	91	93	87	99	99	98	90	98	96	96	99	A
FR0008R	93	95	67	71	95	75	68	99	99	98	96	92	A
FR0009R	84	89	93	97	96	82	95	100	95	98	95	93	A
FR0010R	99	95	92	96	91	96	90	78	96	94	98	83	A
FR0011R	97	94	98	0	0	0	0	0	0	0	0	0	A
FR0012R	92	86	88	99	96	98	99	90	100	100	99	97	A
FR0013R	100	97	97	96	97	99	97	100	99	99	98	89	A
FR0014R	0	0	0	79	96	97	98	97	99	89	98	91	A
GB0002R	99	99	99	99	99	99	99	99	99	99	100	99	B
GB0006R	99	99	99	99	99	100	99	99	100	99	99	82	B
GB0013R	99	100	99	100	98	100	99	100	99	82	100	99	B
GB0014R	99	93	99	99	99	99	95	99	54	99	99	99	B
GB0015R	99	99	98	99	99	99	99	99	99	100	99	99	B
HU0002R	100	100	100	100	100	100	100	100	100	100	100	100	B
IE0002R	100	100	100	100	100	100	100	100	100	100	90	98	A
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100	A
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100	A
IT0001R	100	57	100	36	72	30	46	0	100	99	100	100	B
IT0004R	100	100	100	100	100	100	0	100	100	0	100	100	A
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100	A
LV0010R	100	100	100	100	100	100	100	86	100	100	100	96	A
LV0016R	96	96	88	97	97	94	100	100	99	100	84	96	A
NL0009R	98	98	91	98	94	98	99	96	99	97	99	98	A
NO0001R	97	96	97	95	97	99	81	96	97	99	97	97	A
NO0008R	99	94	98	97	95	98	75	86	91	99	97	96	A
NO0015R	58	71	80	72	94	95	77	95	98	99	89	56	A
NO0039R	98	99	99	91	98	98	99	99	98	100	95	100	A
NO0041R	97	94	99	98	96	84	100	94	99	98	100	100	A
NO0055R	69	85	83	82	93	96	72	78	93	86	60	59	A
PL0002R	99	99	99	100	100	99	90	99	98	98	98	98	A
PL0003R	100	98	99	98	100	99	98	99	100	99	98	98	A
PL0004R	96	97	99	98	91	99	98	94	89	98	97	87	A
PL0005R	100	100	98	99	100	100	99	98	96	90	100	100	B

Table 3.12 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
PT0001R	100	100	100	100	100	100	100	0	100	100	100	100	A
PT0003R	93	100	100	100	100	100	100	100	100	100	100	100	A
PT0004R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0013R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100	A
SE0002R	99	99	99	100	100	100	98	99	99	100	100	99	A
SE0005R	100	99	100	100	100	100	100	99	100	99	100	100	A
SE0011R	100	100	100	99	100	100	100	100	100	100	100	100	A
SE0012R	100	100	100	100	100	99	100	100	98	100	100	100	A
SK0002R	76	83	70	91	90	98	98	91	99	95	94	90	B
SK0004R	89	78	63	85	87	95	86	94	98	91	91	75	B
SK0005R	87	86	59	95	86	96	89	79	93	92	89	65	B
SK0006R	88	86	89	82	96	99	95	98	98	96	89	84	B
TR0001R	96	100	98	99	100	100	100	100	100	0	0	0	A
YU0005R	100	100	99	98	100	96	98	97	99	97	99	93	B
YU0008R	91	98	92	99	99	97	99	100	99	99	97	98	B

Table 3.13: Monthly weighted averages of nitrate in precipitation in 1998. (Unit: mg N/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	0.56	0.60	0.62	1.27	0.99	0.46	0.47	0.46	0.29	0.54	0.45	0.81	A
AT0004R	0.52	0.76	0.45	0.62	0.65	0.32	0.41	0.36	0.26	0.36	0.35	0.40	A
AT0005R	0.35	0.48	0.92	0.30	0.41	0.42	0.34	0.35	0.21	0.12	0.32	0.84	A
CH0002R	0.12	0.32	0.42	0.27	0.44	0.28	0.41	0.35	0.21	0.26	0.19	0.20	A
CH0003R	0.12	0.21	0.48	0.34	0.46	0.27	0.51	0.24	0.23	0.19	0.19	0.33	A
CH0004R	0.16	0.28	0.28	0.18	0.29	0.23	0.30	0.23	0.21	0.16	0.18	0.21	A
CH0005R	0.22	0.24	0.52	0.61	0.52	0.31	0.41	0.33	0.24	0.26	0.31	0.31	A
CZ0001R	0.76	0.84	0.77	0.28	0.60	0.39	0.40	0.45	0.33	0.23	0.56	0.51	A
CZ0003R	0.59	0.67	0.51	0.98	0.38	0.43	0.58	0.53	0.34	0.30	0.58	0.65	A
DE0001R	0.45	0.95	0.86	0.83	0.90	0.91	0.52	0.54	0.64	0.42	0.59	0.66	B
DE0002R	0.50	0.75	0.49	0.99	0.79	0.67	0.70	0.36	0.58	0.37	0.63	0.47	B
DE0003R	0.23	0.42	0.55	0.33	0.67	0.36	0.47	0.30	0.26	0.26	0.30	0.43	B
DE0004R	0.24	0.39	0.55	0.44	0.52	0.40	0.51	0.54	0.51	0.28	0.54	0.50	B
DE0005R	0.51	1.30	0.97	0.71	0.54	0.38	0.66	0.38	0.32	0.37	0.49	1.02	B
DE0007R	0.51	0.99	0.64	0.91	0.73	0.79	0.72	0.48	0.41	0.32	0.68	0.47	B
DE0008R	0.45	0.84	0.55	0.77	0.60	0.56	0.59	0.47	0.28	0.34	0.51	0.81	B
DE0009R	0.45	1.12	0.50	0.80	0.68	0.46	0.85	0.46	0.35	0.29	0.87	0.75	B
DK0003R	0.36	0.39	0.31	0.78	0.45	0.53	0.28	0.35	0.44	0.23	0.70	0.38	A
DK0005R	0.35	0.62	0.39	0.63	0.78	0.59	0.51	0.44	0.53	0.29	0.83	0.47	A
DK0008R	0.64	0.52	0.51	0.94	0.75	0.40	0.32	0.59	0.39	0.34	0.77	0.66	A
EE0009R	0.44	0.43	0.65	0.45	0.22	0.23	0.09	0.08	0.07	0.18	0.50	0.36	A
EE0011R	0.55	0.60	0.71	0.51	0.66	0.24	0.09	0.13	0.41	0.51	0.36	0.45	A
ES0001R	0.29	0.20	0.30	0.28	0.38	0.27	-	1.40	0.25	0.11	0.19	0.15	A
ES0003R	0.45	0.96	7.54	0.98	0.65	1.49	3.08	0.57	1.06	0.48	0.49	0.20	A
ES0004R	0.69	0.41	0.71	0.46	0.53	0.80	0.44	0.59	0.45	0.73	0.28	0.67	A
ES0005R	0.15	0.32	-	0.15	0.41	0.60	0.54	-	0.27	0.37	0.37	-	A
ES0006R	-	2.81	5.08	-	-	-	-	-	-	-	-	-	A
ES0007R	0.45	0.17	0.42	0.47	0.46	0.48	-	-	0.39	-	0.75	0.25	A
FI0004R	0.27	0.32	0.16	0.21	0.20	0.15	0.14	0.12	0.28	0.23	0.35	0.27	A
FI0009R	0.81	1.49	0.95	0.30	0.37	0.29	0.29	0.28	0.31	0.59	2.00	0.48	A
FI0017R	0.61	0.77	0.44	0.44	0.14	0.29	0.12	0.27	0.27	0.26	0.47	0.40	A
FI0022R	0.19	0.09	0.13	0.40	0.08	0.16	0.07	0.10	0.12	0.09	0.19	0.12	A
FR0003R	0.09	0.49	0.25	0.30	0.36	0.26	0.34	0.23	0.17	0.20	0.13	0.29	A
FR0005R	0.20	0.61	0.55	0.34	1.14	0.24	0.28	0.37	0.26	0.25	0.24	0.28	A
FR0008R	0.18	0.51	0.25	0.32	0.34	0.30	0.28	0.21	0.24	0.12	0.35	0.48	A
FR0009R	0.15	0.74	0.42	0.26	0.78	0.32	0.34	0.25	0.38	0.20	0.40	0.35	A
FR0010R	0.11	0.30	0.29	0.32	0.41	0.20	0.34	0.25	0.22	0.16	0.27	0.39	A
FR0011R	0.17	0.28	0.29	-	-	-	-	-	-	-	-	-	A
FR0012R	0.09	0.29	0.24	0.23	0.38	0.33	0.28	0.72	0.14	0.19	0.08	0.19	A
FR0013R	0.10	0.23	0.31	0.23	0.47	0.36	0.59	0.37	0.31	0.21	0.15	0.36	A
FR0014R	-	-	-	0.37	0.39	0.26	0.39	0.25	0.21	0.18	0.30	0.34	A
GB0002R	0.25	0.22	0.26	0.32	0.34	0.17	0.11	0.15	0.23	0.06	0.21	0.14	A
GB0006R	0.10	0.05	0.10	0.18	0.12	0.16	0.04	0.06	0.15	0.03	0.04	0.06	A
GB0013R	0.09	0.38	0.46	0.21	0.88	0.28	0.09	0.07	0.19	0.08	0.18	0.09	A

Table 3.13 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
GB0014R	0.27	0.53	0.65	0.54	0.66	0.34	0.75	0.58	1.32	0.23	0.35	0.37	A
GB0015R	0.04	0.04	0.19	0.22	0.19	0.10	0.07	0.12	0.10	0.04	0.04	0.04	A
HU0002R	0.28	0.39	0.16	0.25	0.21	0.57	0.25	0.23	0.39	0.43	0.42	0.36	A
IE0002R	0.08	0.45	0.15	0.22	0.40	0.19	0.12	0.19	0.43	0.09	0.13	0.11	A
IE0003R	0.07	0.15	0.12	0.14	0.45	0.17	0.08	0.10	0.24	0.10	0.07	0.06	A
IE0004R	0.07	0.17	0.17	0.18	0.47	0.23	0.06	0.09	0.54	0.14	0.11	0.09	A
IT0001R	0.36	0.31	0.31	0.45	0.52	0.89	1.68	2.84	0.16	0.37	1.26	0.36	A
IT0004R	0.71	2.06	1.87	0.69	0.59	0.66	3.88	0.54	0.62	2.44	0.83	0.71	A
LT0015R	0.87	1.24	0.75	0.40	1.13	0.36	0.43	0.41	0.21	0.48	0.25	0.74	A
LV0010R	0.28	0.39	0.26	0.23	0.45	0.32	0.16	0.16	0.19	0.41	0.20	0.56	B
LV0016R	0.71	0.63	0.57	0.70	0.44	0.34	0.24	0.24	0.43	0.35	0.48	0.65	B
NL0009R	0.35	0.75	0.41	0.74	0.95	0.62	0.64	0.19	0.39	0.30	0.34	0.28	A
NO0001R	0.45	0.27	1.01	0.43	0.39	0.41	0.33	0.20	0.48	0.19	0.98	0.48	B
NO0008R	0.30	0.24	0.55	0.64	0.36	0.26	0.30	0.19	0.20	0.09	0.57	0.20	B
NO0015R	0.08	0.03	0.07	0.36	0.15	0.09	0.05	0.06	0.05	0.04	0.23	0.04	B
NO0039R	0.07	0.03	0.06	0.25	0.09	0.12	0.08	0.04	0.08	0.05	0.04	0.03	B
NO0041R	0.36	0.18	0.64	0.35	0.52	0.13	0.08	0.19	0.17	0.14	0.38	0.27	B
NO0055R	0.28	0.11	0.24	0.35	0.27	0.09	0.14	0.08	0.08	0.15	0.15	0.14	B
PL0002R	0.61	0.76	0.78	0.56	0.33	0.31	0.43	0.38	0.19	0.32	0.66	0.72	A
PL0003R	0.77	1.78	1.01	2.09	1.02	0.46	0.70	0.65	0.47	0.52	0.48	0.46	A
PL0004R	0.69	1.07	0.56	0.60	0.66	0.41	0.35	0.36	0.33	0.28	0.47	0.54	A
PL0005R	0.60	0.83	0.64	0.67	0.41	0.28	0.29	0.40	0.21	0.48	0.42	0.71	B
PT0001R	0.26	0.26	0.20	0.17	-	-	-	0.06	0.15	-	0.01	0.14	B
PT0003R	0.26	0.23	-	0.12	0.50	-	0.38	-	0.13	0.24	0.14	0.17	B
PT0004R	0.16	-	-	0.32	0.23	-	-	-	0.44	-	-	0.14	B
RU0001R	0.14	0.06	0.22	0.38	0.17	0.03	0.06	0.09	0.05	0.08	0.28	0.16	A
RU0013R	0.28	0.22	0.20	0.42	0.19	0.04	0.07	0.03	0.02	0.09	0.19	0.22	A
RU0016R	0.33	0.60	0.48	0.51	0.21	0.56	0.11	0.03	0.10	0.25	0.81	0.42	A
SE0002R	0.42	0.67	0.48	0.57	0.49	0.50	0.30	0.38	0.31	0.34	0.47	0.68	A
SE0005R	0.24	0.06	0.09	0.32	0.11	0.10	0.07	0.08	0.15	0.11	0.18	0.27	A
SE0011R	0.78	0.87	0.48	0.53	0.70	0.37	0.28	0.34	0.29	0.39	0.98	0.86	A
SE0012R	0.37	0.14	0.30	0.39	0.32	0.33	0.28	0.30	0.26	0.29	0.61	0.55	A
SK0002R	0.52	0.66	0.85	0.44	0.50	0.48	0.36	0.55	0.21	0.34	0.51	0.46	A
SK0004R	0.36	0.23	0.85	0.26	0.29	0.36	0.32	0.50	0.22	0.23	0.40	0.28	A
SK0005R	0.61	0.57	0.62	0.35	0.34	0.28	0.27	0.37	0.15	0.26	0.51	0.57	A
SK0006R	0.54	0.77	0.80	0.28	0.25	0.35	0.34	0.38	0.31	0.41	0.57	0.83	A
TR0001R	0.24	0.35	0.35	0.24	0.33	0.34	-	-	-	-	-	-	A
YU0005R	0.75	0.77	0.89	0.53	0.64	0.82	0.61	0.44	0.45	0.78	0.82	0.90	C
YU0008R	0.47	0.41	0.69	0.48	0.43	0.46	0.54	0.52	0.20	0.70	0.67	0.55	C

Table 3.14: Nitrate in precipitation 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	90	98	99	95	100	100	100	100	100	100	99	100	A
AT0004R	98	100	100	99	100	100	99	99	99	99	99	97	A
AT0005R	98	100	100	99	100	99	99	98	99	99	100	88	A
CH0002R	97	98	100	98	100	98	99	99	99	99	99	93	A
CH0003R	99	94	98	98	98	91	99	99	98	99	99	92	A
CH0004R	99	98	98	97	97	99	95	99	100	98	97	99	A
CH0005R	96	97	98	98	97	99	99	99	99	97	98	95	A
CZ0001R	100	69	100	98	98	100	100	100	99	100	77	45	A
CZ0003R	95	95	94	94	95	98	96	94	95	96	99	96	A
DE0001R	99	96	96	98	96	98	99	98	99	91	99	98	B
DE0002R	42	88	52	98	96	99	95	94	76	85	97	76	B
DE0003R	72	68	54	84	98	99	99	99	52	44	90	98	B
DE0004R	79	100	99	97	99	100	100	99	91	85	98	98	B
DE0005R	99	95	98	97	99	99	99	99	100	99	100	98	B
DE0007R	98	94	96	99	98	97	98	99	96	99	93	98	B
DE0008R	50	97	68	97	90	80	99	49	96	69	66	78	B
DE0009R	22	43	83	83	48	68	38	47	98	9	86	71	B
DK0003R	99	98	99	92	99	100	99	99	99	99	98	99	A
DK0005R	97	97	99	99	99	99	99	99	98	100	99	99	A
DK0008R	99	100	100	99	100	100	99	100	100	100	100	99	A
EE0009R	81	100	100	98	100	99	100	100	100	98	100	99	A
EE0011R	100	100	100	100	95	100	100	100	100	100	100	100	A

Table 3.14 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
ES0001R	100	99	100	92	100	100	100	100	99	100	100	97	A
ES0003R	100	93	100	97	100	100	100	100	100	100	68	100	A
ES0004R	100	100	100	100	100	100	94	100	100	100	100	70	A
ES0005R	100	100	100	100	100	100	100	100	99	100	88	0	A
ES0006R	100	100	100	100	100	100	100	100	100	100	100	100	A
ES0007R	100	100	100	98	99	100	100	100	100	0	100	100	A
FI0004R	99	98	98	98	97	99	98	97	97	99	88	99	A
FI0009R	79	70	35	29	99	98	98	96	98	91	11	40	A
FI0017R	97	97	98	99	99	95	99	99	99	99	94	96	A
FI0022R	99	99	98	97	99	99	99	97	99	99	96	98	A
FR0003R	100	89	100	97	81	95	92	96	96	99	79	98	A
FR0005R	70	91	93	87	99	99	96	90	98	95	96	98	A
FR0008R	93	95	67	71	95	75	68	99	99	97	96	92	A
FR0009R	84	89	93	97	96	82	95	100	95	98	95	92	A
FR0010R	99	95	92	96	91	96	90	78	96	94	98	83	A
FR0011R	97	94	98	0	0	0	0	0	0	0	0	0	A
FR0012R	92	86	88	99	96	98	99	90	100	100	89	94	A
FR0013R	100	97	97	96	97	99	97	100	98	98	98	89	A
FR0014R	0	0	0	79	96	97	98	97	99	89	98	91	A
GB0002R	99	99	99	99	99	99	99	99	99	99	100	99	A
GB0006R	99	99	99	99	99	100	99	99	100	99	99	82	A
GB0013R	99	100	99	100	98	100	99	100	99	82	100	99	A
GB0014R	99	93	99	99	99	99	95	99	54	99	99	99	A
GB0015R	99	99	98	99	99	99	99	99	99	100	99	99	A
HU0002R	100	100	100	100	100	100	100	100	100	100	100	100	A
IE0002R	100	100	100	100	100	100	100	100	100	100	90	98	A
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100	A
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100	A
IT0001R	100	57	100	36	72	30	46	0	100	99	100	100	A
IT0004R	100	100	100	100	100	100	0	100	100	0	100	100	A
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100	A
LV0010R	100	100	100	100	100	100	70	59	100	100	100	98	B
LV0016R	93	96	92	91	97	99	99	100	98	100	84	96	B
NL0009R	99	98	98	99	99	98	99	99	99	98	99	99	A
NO0001R	97	96	97	95	97	99	81	96	97	99	97	97	B
NO0008R	99	99	98	97	97	99	98	98	91	99	97	96	B
NO0015R	58	71	80	72	94	95	77	95	98	99	89	56	B
NO0039R	98	99	99	91	98	98	99	99	98	100	95	100	B
NO0041R	97	94	99	98	96	99	100	99	99	98	100	100	B
NO0055R	76	85	83	82	93	96	72	91	93	86	60	59	B
PL0002R	99	99	99	100	100	99	98	99	98	98	98	98	A
PL0003R	100	98	99	98	100	99	98	99	100	99	98	98	A
PL0004R	96	97	99	98	96	99	98	94	89	98	97	87	A
PL0005R	95	100	98	99	100	100	83	100	96	100	80	100	B
PT0001R	100	100	100	100	100	100	100	0	100	100	100	100	B
PT0003R	100	100	100	100	100	100	100	100	100	100	100	100	B
PT0004R	100	100	100	100	100	100	100	100	100	100	100	100	B
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0013R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100	A
SE0002R	100	100	99	98	100	100	98	99	99	100	100	99	A
SE0005R	100	100	100	100	100	100	100	100	100	99	100	100	A
SE0011R	100	100	100	99	100	100	100	100	100	100	100	100	A
SE0012R	100	100	100	100	100	100	100	100	100	100	100	100	A
SK0002R	76	83	70	91	90	98	98	91	99	95	94	90	A
SK0004R	89	78	63	85	87	95	86	94	98	91	91	75	A
SK0005R	87	86	59	95	86	96	89	79	93	92	89	65	A
SK0006R	88	86	89	82	96	99	95	98	98	96	89	84	A
TR0001R	100	100	100	99	100	100	100	100	100	0	0	0	A
YU0005R	100	100	99	98	100	96	99	97	99	97	99	93	C
YU0008R	91	98	92	99	99	97	99	100	99	99	97	98	C

Table 3.15: Monthly weighted averages of sodium in precipitation in 1998. (Unit: mg Na/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	0.12	0.11	0.18	0.31	0.39	0.09	0.14	0.37	0.08	0.23	0.12	0.14	A
AT0004R	0.15	0.20	0.23	0.11	0.04	0.06	0.07	0.06	0.06	0.14	0.27	0.21	A
AT0005R	0.07	0.14	0.14	0.12	0.04	0.08	0.04	0.04	0.04	0.05	0.05	0.10	A
CH0002R	0.17	0.07	0.22	0.06	0.08	0.22	0.07	0.09	0.12	0.20	0.05	0.09	A
CH0003R	0.07	0.04	0.21	0.07	0.09	0.13	0.10	0.05	0.11	0.16	0.09	0.21	A
CH0004R	0.22	0.08	0.19	0.08	0.08	0.35	0.17	0.09	0.19	0.15	0.07	0.23	A
CH0005R	0.06	0.04	0.07	0.07	0.17	0.31	0.06	0.09	0.06	0.08	0.13	0.22	A
CZ0001R	0.09	0.07	0.24	0.05	0.14	0.08	0.13	0.21	0.04	0.10	0.10	0.16	A
CZ0003R	0.16	0.19	0.41	0.14	0.05	0.12	0.10	0.10	0.06	0.14	0.17	0.34	A
DE0001R	8.48	10.28	14.34	1.85	4.38	2.72	6.06	7.51	4.19	11.52	5.33	4.16	A
DE0002R	0.94	1.44	0.42	0.12	0.22	0.18	0.30	0.46	0.09	0.49	0.81	0.60	A
DE0003R	0.42	0.15	0.33	0.10	0.08	0.17	0.13	0.21	0.21	0.34	0.24	0.42	A
DE0004R	0.83	0.20	0.41	0.16	0.07	0.12	0.18	0.19	0.46	0.35	0.31	0.47	A
DE0005R	0.18	0.56	0.37	0.13	0.04	0.05	0.13	0.08	0.14	0.14	0.19	0.90	A
DE0007R	0.58	1.00	0.54	0.13	0.23	0.23	0.23	0.25	0.08	0.62	0.37	0.27	A
DE0008R	0.44	0.36	0.46	0.12	0.10	0.11	0.11	0.11	0.12	0.36	0.22	0.83	A
DE0009R	1.18	1.11	0.86	0.47	0.70	0.37	0.78	0.65	0.56	2.88	1.44	0.60	A
DK0003R	1.84	1.45	1.14	0.54	0.28	0.64	0.73	0.76	0.77	3.00	1.21	2.21	A
DK0005R	4.69	3.55	1.23	0.76	1.66	0.78	1.22	1.71	1.23	3.77	1.91	1.18	A
DK0008R	3.05	4.29	3.34	0.73	4.40	2.94	3.42	4.67	1.22	4.26	3.71	2.03	A
EE0009R	0.93	0.77	0.68	0.40	0.26	0.15	0.14	0.11	0.20	0.56	0.07	0.37	B
EE0011R	1.12	0.98	1.47	0.60	0.59	0.40	0.39	0.47	0.33	1.10	0.25	1.14	B
ES0001R	0.37	0.46	0.21	0.73	0.16	0.21	-	0.71	0.23	0.10	0.19	0.29	A
ES0003R	1.01	1.38	12.80	1.25	0.39	-	1.34	0.46	1.29	0.41	-	0.52	A
ES0004R	0.82	0.80	2.83	0.46	0.29	0.40	0.22	0.33	0.44	0.60	0.78	2.16	A
ES0005R	4.38	1.09	-	4.56	1.25	4.29	3.29	-	1.70	2.10	1.77	-	A
ES0006R	-	212.52	157.00	-	-	-	-	-	-	-	-	-	A
ES0007R	0.64	0.30	0.47	0.72	0.29	0.32	-	-	0.47	-	0.62	0.49	A
FI0004R	0.10	0.17	0.08	0.07	0.05	0.07	0.08	0.03	0.12	0.13	0.14	0.11	A
FI0009R	3.05	2.89	2.31	0.33	0.34	0.64	1.12	0.58	1.07	4.76	11.13	2.50	A
FI0017R	0.30	0.66	0.14	0.04	0.06	0.09	0.06	0.17	0.20	0.50	0.58	0.36	A
FI0022R	0.04	0.06	0.06	0.08	0.02	0.03	0.03	0.03	0.10	0.02	0.05	0.08	A
FR0003R	1.43	1.04	0.77	0.65	0.56	0.73	0.17	0.17	0.55	0.37	1.26	0.86	A
FR0005R	19.92	6.59	5.75	4.67	2.01	3.06	2.41	5.05	2.90	7.00	6.64	5.57	A
FR0008R	0.44	0.31	0.53	0.14	0.07	0.20	0.14	0.14	0.28	0.27	0.32	0.43	A
FR0009R	0.98	1.16	1.07	0.23	0.35	0.17	0.12	0.22	0.48	0.53	0.80	0.69	A
FR0010R	0.43	0.28	0.77	0.15	0.21	0.23	0.12	0.06	0.39	0.34	0.62	0.52	A
FR0011R	0.47	0.26	0.42	-	-	-	-	-	-	-	-	-	A
FR0012R	1.37	1.15	1.07	1.24	0.22	0.90	0.23	0.47	0.59	0.33	0.77	1.34	A
FR0013R	1.19	1.77	1.15	1.11	0.14	1.43	0.38	0.78	0.94	0.60	1.18	4.72	A
FR0014R	-	-	-	0.10	0.06	0.24	0.09	0.05	0.26	0.34	0.23	0.34	A
GB0002R	2.19	2.28	0.69	0.58	1.03	0.41	0.49	0.59	0.54	1.34	2.44	6.78	A
GB0006R	5.21	4.76	2.33	0.94	0.93	0.65	0.89	0.90	2.33	4.14	3.56	2.42	A
GB0013R	5.85	4.06	2.71	3.65	0.74	0.97	0.48	0.50	1.99	2.18	2.92	2.05	A
GB0014R	4.02	2.49	1.25	3.40	1.65	0.75	2.99	0.65	0.93	1.89	1.59	4.86	A
GB0015R	0.90	3.21	4.59	1.44	3.23	0.77	0.50	0.88	1.37	4.82	1.14	3.26	A
HU0002R	0.60	1.06	0.54	0.57	0.59	0.60	0.52	0.60	0.63	0.66	0.37	1.08	B
IE0002R	4.48	5.03	1.13	1.29	0.84	0.48	0.62	0.47	1.22	1.59	2.17	4.20	A
IE0003R	7.44	6.62	3.39	1.59	4.01	1.14	1.63	2.45	2.20	7.14	11.40	13.04	A
IE0004R	3.24	3.93	1.12	0.89	1.08	0.44	0.68	0.50	1.43	2.63	2.00	5.00	A
IS0002R	18.11	5.13	11.10	3.15	3.86	0.86	0.56	0.32	1.44	1.81	2.80	3.17	A
IT0001R	2.33	0.23	0.44	2.82	0.83	5.23	2.53	1.69	0.56	0.79	4.07	2.33	A
IT0004R	0.25	0.22	0.22	0.41	0.10	0.14	0.17	0.06	0.08	0.14	0.08	0.07	A
LT0015R	7.08	7.64	4.84	0.77	3.70	1.37	1.38	2.08	0.90	5.74	2.20	4.28	A
LV0010R	0.95	0.78	0.41	0.27	0.28	0.36	0.31	0.29	0.17	0.85	0.21	0.58	A
LV0016R	0.63	0.33	1.27	0.57	0.10	0.09	0.21	0.13	0.09	0.31	0.23	0.55	A
NL0009R	2.64	2.26	1.78	0.56	0.69	0.84	1.05	2.99	2.66	4.02	3.44	2.70	A
NO0001R	0.79	3.94	1.54	0.68	0.25	0.42	0.46	0.38	0.60	1.01	1.87	3.28	A
NO0008R	1.21	2.18	1.91	0.49	0.61	0.50	0.67	0.50	0.28	1.50	1.16	2.11	A
NO0015R	1.32	1.91	3.72	0.15	0.49	0.11	0.08	0.11	0.19	0.54	0.49	0.78	A
NO0039R	1.06	2.49	4.12	0.12	1.28	0.15	0.15	0.26	0.30	0.54	0.93	2.23	A
NO0041R	0.24	0.11	0.17	0.07	0.12	0.06	0.06	0.12	0.07	0.09	0.23	0.25	A
NO0055R	0.53	0.34	0.67	0.78	0.76	0.18	0.21	0.05	0.21	0.28	0.37	0.52	A
PL0002R	0.34	0.29	0.38	0.12	0.12	0.07	0.13	0.10	0.07	0.17	0.29	0.22	A
PL0003R	0.87	0.90	1.02	0.78	0.42	0.42	0.45	0.46	0.17	0.17	0.25	0.19	A
PL0004R	0.96	1.03	1.50	0.25	0.26	0.39	0.45	0.57	0.42	1.73	0.75	1.07	A
PL0005R	0.43	0.52	0.52	0.30	0.14	0.09	0.14	0.26	0.06	0.28	0.16	0.22	B

Table 3.15 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
PT0001R	0.49	0.34	0.62	0.33	-	-	-	2.38	0.32	-	0.01	0.49	C
PT0003R	3.85	1.18	-	5.54	0.52	-	1.04	-	1.87	1.64	7.09	2.99	C
PT0004R	5.79	-	-	2.63	1.80	-	-	-	2.79	-	-	8.11	C
RU0001R	0.55	1.00	1.20	0.88	1.67	0.34	0.23	0.24	0.32	0.73	2.42	2.32	A
RU0013R	0.29	0.45	0.23	0.32	0.42	0.39	0.40	0.17	0.23	0.20	0.40	0.34	A
RU0016R	4.45	3.07	4.21	0.80	3.59	0.49	0.44	0.38	0.25	2.33	3.81	2.20	A
SE0002R	1.59	2.73	2.37	0.26	1.00	1.41	2.49	1.43	0.58	3.51	1.09	0.90	A
SE0005R	0.03	0.49	0.13	0.05	0.06	0.07	0.06	0.06	0.09	0.10	0.07	0.13	A
SE0011R	1.61	0.66	1.01	0.24	0.49	1.13	0.72	2.49	0.34	1.19	0.82	0.53	A
SE0012R	0.23	0.43	0.29	0.22	0.10	0.08	0.12	0.15	0.18	0.50	0.37	0.18	A
SK0002R	0.48	0.29	0.52	0.24	0.26	0.17	0.17	0.14	0.09	0.19	0.20	0.53	A
SK0004R	0.11	0.34	0.45	0.13	0.16	0.20	0.24	0.40	0.20	0.25	0.14	0.18	A
SK0005R	0.37	0.28	0.47	0.26	0.22	0.25	0.21	0.14	0.15	0.17	0.43	0.37	A
SK0006R	0.30	0.20	0.32	0.31	0.11	0.28	0.41	0.20	0.20	0.19	0.28	0.35	A
TR0001R	0.13	0.44	0.29	0.14	0.41	0.30	-	-	-	-	-	-	A
YU0005R	2.44	3.03	1.77	2.19	2.13	1.12	1.16	0.38	0.56	0.34	1.52	1.92	A
YU0008R	2.29	0.66	2.53	2.30	2.04	1.95	2.84	2.03	1.07	0.40	1.48	0.64	A

Table 3.16: Sodium in precipitation 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	90	98	99	95	100	100	100	100	100	100	99	100	A
AT0004R	97	100	100	99	100	99	99	99	99	98	99	97	A
AT0005R	98	100	100	99	99	99	99	98	99	99	100	88	A
CH0002R	97	98	100	96	100	98	99	99	99	99	99	93	A
CH0003R	99	33	98	98	98	78	99	99	98	99	99	92	A
CH0004R	99	98	98	97	97	99	95	99	100	98	97	99	A
CH0005R	96	97	98	98	97	99	99	99	99	97	98	95	A
CZ0001R	100	63	100	98	98	100	100	100	99	100	77	45	A
CZ0003R	89	95	94	92	95	98	97	94	99	96	99	96	A
DE0001R	99	96	96	98	96	98	99	98	98	91	99	98	A
DE0002R	42	87	52	98	96	99	95	94	77	85	97	76	A
DE0003R	72	68	54	84	98	99	99	99	52	44	90	98	A
DE0004R	79	100	99	97	99	100	100	99	91	85	98	98	A
DE0005R	99	95	98	97	99	99	99	99	100	99	100	98	A
DE0007R	98	94	96	99	98	97	98	97	96	99	93	98	A
DE0008R	50	97	68	97	90	80	99	49	96	69	66	78	A
DE0009R	22	43	83	83	48	68	37	47	98	9	86	71	A
DK0003R	96	96	91	94	99	97	99	97	89	99	86	99	A
DK0005R	96	92	97	98	91	99	97	88	95	98	98	96	A
DK0008R	99	100	100	99	100	100	99	100	100	100	100	99	A
EE0009R	100	84	93	93	98	100	100	100	93	97	97	97	B
EE0011R	100	100	100	100	86	100	93	100	100	100	100	100	B
ES0001R	82	85	98	92	100	100	100	89	91	100	100	97	A
ES0003R	98	85	78	93	97	0	100	94	90	100	0	100	A
ES0004R	95	100	95	96	96	97	94	100	100	100	100	70	A
ES0005R	100	100	100	95	100	53	100	100	98	99	82	0	A
ES0006R	100	100	100	100	100	100	100	100	100	100	100	100	A
ES0007R	100	99	100	93	98	100	100	100	99	0	100	100	A
FI0004R	99	98	98	98	97	99	98	97	97	99	88	99	A
FI0009R	79	70	35	29	99	98	98	96	98	91	11	40	A
FI0017R	97	97	98	99	99	95	99	99	99	99	94	96	A
FI0022R	99	99	98	97	99	99	99	97	99	99	96	98	A
FR0003R	100	89	100	97	81	95	92	96	96	99	79	98	A
FR0005R	70	91	93	87	99	99	96	90	98	95	96	98	A
FR0008R	93	95	67	71	95	75	68	99	99	97	96	92	A
FR0009R	84	89	93	97	96	82	95	100	95	98	95	92	A
FR0010R	99	95	92	96	91	96	90	78	96	94	98	83	A
FR0011R	97	94	98	0	0	0	0	0	0	0	0	0	A
FR0012R	92	86	88	99	96	98	99	90	100	100	89	94	A
FR0013R	100	97	97	96	97	99	97	100	98	98	98	89	A
FR0014R	0	0	0	79	96	97	98	97	99	89	98	91	A
GB0002R	99	99	99	99	74	99	66	99	99	99	77	99	A
GB0006R	99	99	99	99	99	93	99	99	100	99	99	82	A
GB0013R	99	100	99	100	98	100	99	100	99	82	100	99	A
GB0014R	94	93	64	93	94	91	95	99	52	99	92	92	A
GB0015R	99	99	98	99	99	99	78	99	99	100	99	99	A

Table 3.16 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
HU0002R	100	100	100	100	100	100	99	100	100	100	100	100	B
IE0002R	100	100	100	100	100	100	100	100	100	100	90	98	A
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100	A
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100	A
IS0002R	100	100	100	100	100	100	100	100	100	100	100	100	A
IT0001R	100	57	100	36	72	30	46	0	100	99	100	100	A
IT0004R	100	100	100	100	100	100	0	100	100	0	100	100	A
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100	A
LV0010R	100	100	100	98	100	100	58	90	97	99	100	90	A
LV0016R	82	96	62	91	97	99	47	96	98	94	62	96	A
NL0009R	95	85	91	98	92	96	98	94	96	96	99	98	A
NO0001R	97	96	97	95	97	99	81	96	97	99	97	97	A
NO0008R	99	99	97	97	97	99	98	98	91	99	97	96	A
NO0015R	58	71	80	72	94	95	77	95	98	99	89	56	A
NO0039R	98	99	99	91	98	98	99	99	98	100	95	100	A
NO0041R	97	94	99	98	96	99	100	99	99	98	100	100	A
NO0055R	76	85	83	82	93	96	72	91	93	86	60	59	A
PL0002R	99	99	99	100	100	99	90	99	98	98	98	98	A
PL0003R	100	98	99	98	98	99	98	99	100	99	98	98	A
PL0004R	96	97	99	98	82	99	98	94	89	98	97	87	A
PL0005R	98	98	97	99	99	99	99	99	95	100	99	98	B
PT0001R	100	100	100	100	100	100	100	0	100	100	100	100	C
PT0003R	100	100	100	100	100	100	100	100	100	100	100	100	C
PT0004R	100	100	100	100	100	100	100	100	100	100	100	100	C
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0013R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100	A
SE0002R	99	99	99	99	98	100	98	99	99	100	100	99	A
SE0005R	100	99	100	100	91	100	100	99	100	99	100	100	A
SE0011R	100	100	100	99	100	100	100	100	100	100	100	100	A
SE0012R	100	100	100	100	100	99	100	100	100	100	100	100	A
SK0002R	76	83	70	91	90	98	98	91	99	95	94	90	A
SK0004R	89	78	63	85	87	95	86	94	98	91	91	75	A
SK0005R	87	86	59	95	86	96	89	79	93	92	89	65	A
SK0006R	88	86	89	82	96	99	95	98	98	96	89	84	A
TR0001R	96	100	98	99	100	100	100	100	100	0	0	0	A
YU0005R	97	75	94	98	100	93	99	97	99	96	99	90	A
YU0008R	91	98	89	99	98	97	99	100	99	99	97	98	A

Table 3.17: Monthly weighted averages of magnesium in precipitation in 1998. (Unit: mg Mg/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	0.269	0.033	0.144	0.164	0.359	0.068	0.083	0.246	0.047	0.071	0.040	0.049	A
AT0004R	0.025	0.129	0.038	0.044	0.037	0.033	0.030	0.088	0.092	0.185	0.119	0.158	A
AT0005R	0.135	0.185	0.242	0.079	0.098	0.053	0.035	0.068	0.022	0.010	0.038	0.082	A
CH0002R	0.054	0.032	0.083	0.019	0.072	0.081	0.053	0.044	0.041	0.033	0.007	0.013	B
CH0003R	0.029	0.010	0.075	0.019	0.045	0.055	0.046	0.027	0.031	0.039	0.012	0.027	B
CH0004R	0.053	0.032	0.072	0.022	0.024	0.050	0.059	0.029	0.044	0.019	0.010	0.028	B
CH0005R	0.013	0.010	0.022	0.027	0.021	0.053	0.038	0.030	0.028	0.013	0.018	0.026	B
CZ0001R	0.086	0.050	0.081	0.051	0.074	0.036	0.074	0.128	0.029	0.037	0.020	0.034	A
CZ0003R	0.020	0.040	0.058	0.041	0.032	0.034	0.039	0.062	0.014	0.029	0.031	0.042	A
DE0001R	1.069	1.399	1.708	0.250	0.595	0.379	0.740	0.965	0.565	1.373	0.737	0.679	A
DE0002R	0.157	0.202	0.147	0.154	0.242	0.121	0.107	0.101	0.097	0.107	0.190	0.152	A
DE0003R	0.062	0.034	0.062	0.037	0.042	0.047	0.056	0.070	0.065	0.056	0.038	0.067	A
DE0004R	0.112	0.080	0.085	0.047	0.032	0.140	0.071	0.083	0.097	0.068	0.119	0.093	A
DE0005R	0.022	0.113	0.063	0.043	0.062	0.022	0.034	0.028	0.024	0.024	0.028	0.093	A
DE0007R	0.075	0.132	0.075	0.052	0.062	0.069	0.086	0.046	0.028	0.084	0.083	0.046	A
DE0008R	0.050	0.060	0.085	0.022	0.012	0.040	0.020	0.030	0.014	0.047	0.045	0.087	A
DE0009R	0.172	0.214	0.132	0.269	0.325	0.160	0.177	0.122	0.110	0.430	0.375	0.123	A
DK0003R	0.216	0.187	0.162	0.062	0.041	0.087	0.072	0.079	0.079	0.351	0.176	0.321	B
DK0005R	0.548	0.418	0.142	0.107	0.107	0.072	0.132	0.257	0.138	0.432	0.228	0.097	B
DK0008R	0.367	0.523	0.422	0.106	0.477	0.339	0.390	0.485	0.138	0.454	0.433	0.237	B
EE0009R	0.357	0.131	0.198	0.128	0.101	0.083	0.048	0.045	0.074	0.070	0.020	0.059	C
EE0011R	0.180	0.210	0.420	0.256	0.180	0.096	0.034	0.103	0.079	0.131	0.082	0.136	C

Table 3.17 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
ES0001R	0.063	0.052	0.114	0.065	0.040	0.065	-	0.332	0.071	0.032	0.071	0.061	A
ES0003R	0.257	0.424	4.900	0.637	0.237	-	0.901	0.286	0.542	0.206	-	0.136	A
ES0004R	0.136	0.106	0.293	0.102	0.103	0.124	0.060	0.128	0.137	0.181	0.122	0.218	A
ES0005R	0.427	0.130	-	0.471	0.161	0.415	0.276	-	0.207	0.238	0.244	-	A
ES0006R	-	25.427	22.000	-	-	-	-	-	-	-	-	-	A
ES0007R	0.328	0.119	0.329	0.327	0.213	0.336	-	-	0.241	-	0.524	0.201	A
FI0004R	0.018	0.027	0.011	0.012	0.021	0.025	0.016	0.004	0.034	0.018	0.019	0.015	A
FI0009R	0.367	0.339	0.286	0.030	0.077	0.083	0.140	0.093	0.147	0.561	1.709	0.301	A
FI0017R	0.075	0.121	0.030	0.025	0.054	0.053	0.019	0.038	0.069	0.080	0.082	0.078	A
FI0022R	0.006	0.008	0.009	0.031	0.006	0.014	0.006	0.008	0.017	0.003	0.007	0.008	A
FR0003R	0.213	0.157	0.117	0.110	0.187	0.178	0.095	0.071	0.086	0.061	0.167	0.112	A
FR0005R	2.662	0.963	0.737	0.584	0.290	0.409	0.344	0.655	0.366	0.873	0.829	0.598	A
FR0008R	0.052	0.040	0.076	0.025	0.024	0.046	0.038	0.035	0.055	0.049	0.048	0.057	A
FR0009R	0.127	0.157	0.156	0.047	0.061	0.030	0.024	0.041	0.076	0.080	0.098	0.086	A
FR0010R	0.102	0.039	0.128	0.024	0.028	0.033	0.090	0.043	0.104	0.078	0.092	0.070	A
FR0011R	0.085	0.019	0.078	-	-	-	-	-	-	-	-	-	A
FR0012R	0.203	0.213	0.141	0.195	0.065	0.204	0.071	0.162	0.096	0.064	0.129	0.211	A
FR0013R	0.176	0.258	0.169	0.168	0.048	0.253	0.124	0.037	0.182	0.086	0.162	0.593	A
FR0014R	-	-	-	0.040	0.041	0.065	0.054	0.028	0.045	0.056	0.034	0.069	A
GB0002R	0.432	0.490	0.201	0.134	0.180	0.114	0.073	0.158	0.147	0.281	0.337	1.160	B
GB0006R	0.946	1.034	0.576	0.322	0.369	0.184	0.254	0.221	0.626	0.719	0.611	0.553	B
GB0013R	1.165	0.753	0.562	0.707	0.185	0.204	0.182	0.489	0.379	0.401	0.481	0.487	B
GB0014R	0.719	0.437	0.153	0.515	0.322	0.139	0.697	0.144	0.168	0.291	0.216	0.762	B
GB0015R	0.320	0.601	0.918	0.277	0.623	0.151	0.136	0.283	0.426	0.835	0.285	0.698	B
HU0002R	0.350	0.730	0.300	0.355	0.194	0.185	0.145	0.133	0.179	0.209	0.188	0.438	A
IE0002R	0.574	0.477	0.162	0.153	0.113	0.062	0.077	0.067	0.167	0.202	0.262	0.507	B
IE0003R	0.915	0.858	0.416	0.195	0.482	0.131	0.185	0.299	0.310	0.846	1.385	1.568	B
IE0004R	0.407	0.508	0.149	0.119	0.178	0.061	0.077	0.053	0.173	0.373	0.244	0.608	B
IT0001R	0.340	0.073	0.098	0.446	0.241	0.892	0.530	0.680	0.130	0.142	0.586	0.340	A
IT0004R	0.041	0.047	0.061	0.083	0.040	0.071	0.055	0.035	0.025	0.015	0.040	0.020	A
LV0010R	0.137	0.133	0.103	0.049	0.134	0.045	0.044	0.045	0.032	0.130	0.057	0.060	B
LV0016R	0.368	0.389	0.434	0.664	0.346	0.226	0.240	0.201	0.301	0.263	0.070	0.207	B
NL0009R	0.331	0.296	0.229	0.079	0.083	0.107	0.129	0.350	0.324	0.488	0.423	0.318	B
NO0001R	0.094	0.449	0.194	0.087	0.029	0.053	0.057	0.041	0.118	0.112	0.215	0.430	A
NO0008R	0.141	0.250	0.245	0.045	0.075	0.045	0.088	0.098	0.023	0.155	0.129	0.250	A
NO0015R	0.155	0.239	0.469	0.017	0.069	0.017	0.012	0.030	0.027	0.062	0.066	0.095	A
NO0039R	0.125	0.288	0.527	0.018	0.170	0.023	0.034	0.061	0.040	0.065	0.111	0.286	A
NO0041R	0.023	0.014	0.027	0.017	0.077	0.027	0.029	0.027	0.011	0.009	0.048	0.021	A
NO0055R	0.052	0.035	0.044	0.087	0.107	0.012	0.041	0.011	0.020	0.042	0.026	0.042	A
PL0002R	0.058	0.045	0.065	0.029	0.024	0.026	0.037	0.035	0.015	0.039	0.054	0.049	A
PL0003R	0.116	0.153	0.158	0.238	0.120	0.101	0.070	0.140	0.068	0.054	0.085	0.064	A
PL0004R	0.140	0.184	0.217	0.053	0.069	0.081	0.060	0.085	0.072	0.218	0.098	0.133	A
PL0005R	0.060	0.080	0.082	0.101	0.056	0.039	0.076	0.087	0.046	0.058	0.031	0.022	B
PT0001R	0.153	0.118	0.314	0.071	-	-	-	0.800	0.156	-	0.090	0.120	D
PT0003R	0.439	0.280	-	0.731	0.110	-	0.220	-	0.198	0.246	0.755	0.397	D
PT0004R	0.658	-	-	0.364	0.246	-	-	-	0.319	-	-	1.087	D
RU0001R	0.032	0.065	0.048	0.041	0.080	0.013	0.020	0.009	0.024	0.031	0.051	0.044	A
RU0013R	0.009	0.014	0.019	0.040	0.065	0.072	0.097	0.043	0.064	0.041	0.050	0.019	A
RU0016R	0.337	0.301	0.367	0.130	0.328	0.106	0.087	0.042	0.048	0.373	0.526	0.239	A
SE0002R	0.212	0.396	0.316	0.062	0.132	0.177	0.259	0.155	0.096	0.332	0.145	0.128	B
SE0005R	0.028	0.055	0.032	0.029	0.025	0.027	0.058	0.060	0.060	0.066	0.060	0.058	B
SE0011R	0.211	0.111	0.143	0.057	0.087	0.145	0.100	0.219	0.087	0.136	0.129	0.096	B
SE0012R	0.053	0.056	0.065	0.077	0.041	0.032	0.067	0.077	0.069	0.097	0.133	0.068	B
SK0002R	0.139	0.075	0.075	0.040	0.089	0.054	0.035	0.062	0.017	0.042	0.050	0.039	C
SK0004R	0.033	0.035	0.169	0.064	0.060	0.072	0.041	0.169	0.043	0.026	0.026	0.040	C
SK0005R	0.062	0.077	0.082	0.044	0.091	0.039	0.044	0.095	0.019	0.038	0.042	0.063	C
SK0006R	0.040	0.046	0.065	0.042	0.053	0.053	0.051	0.056	0.042	0.040	0.114	0.038	C
TR0001R	0.080	0.064	0.184	0.096	0.170	0.172	-	-	-	-	-	-	D
YU0005R	0.249	0.344	0.373	0.453	0.335	0.215	0.121	0.080	0.108	0.079	0.094	0.209	B
YU0008R	0.161	0.034	0.202	0.283	0.267	0.227	0.539	0.176	0.111	0.072	0.073	0.090	B

Table 3.18: Magnesium in precipitation 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	90	98	99	95	100	100	100	100	100	100	99	100	A
AT0004R	97	100	100	99	100	99	99	99	99	98	99	97	A
AT0005R	98	100	100	99	99	99	99	98	99	99	100	88	A
CH0002R	97	98	100	98	100	98	99	99	99	99	96	93	B
CH0003R	99	94	98	98	98	91	99	99	98	99	99	92	B
CH0004R	99	98	98	97	97	99	95	99	100	98	97	99	B
CH0005R	96	97	98	98	97	99	99	99	99	97	78	95	B
CZ0001R	100	63	100	98	98	100	100	100	99	100	77	45	A
CZ0003R	89	97	94	95	95	98	97	94	99	96	99	96	A
DE0001R	99	96	96	98	96	98	99	98	98	91	99	98	A
DE0002R	42	87	52	98	96	99	95	94	77	85	97	76	A
DE0003R	72	68	54	84	98	99	99	99	52	51	90	98	A
DE0004R	79	100	99	97	99	100	100	99	91	85	98	98	A
DE0005R	99	95	98	97	99	99	99	99	100	99	100	98	A
DE0007R	98	94	96	99	98	97	98	97	96	99	93	98	A
DE0008R	50	97	68	97	90	80	99	49	96	73	66	81	A
DE0009R	22	43	83	83	48	68	37	47	98	9	86	71	A
DK0003R	91	77	91	94	99	96	99	97	86	96	86	79	B
DK0005R	95	92	92	98	96	99	97	98	98	98	98	96	B
DK0008R	99	100	100	99	100	100	99	100	100	100	100	99	B
EE0009R	100	84	93	93	98	100	100	100	93	97	97	97	C
EE0011R	100	100	100	100	86	100	93	100	100	100	100	100	C
ES0001R	82	85	98	92	100	100	100	89	91	100	100	97	A
ES0003R	98	85	78	93	97	0	100	94	90	100	0	100	A
ES0004R	95	100	95	96	96	97	94	100	100	100	100	70	A
ES0005R	100	100	100	95	100	53	100	100	98	99	82	0	A
ES0006R	100	100	100	100	100	100	100	100	100	100	100	100	A
ES0007R	100	99	100	93	98	100	100	100	99	0	100	100	A
FI0004R	99	98	98	98	97	99	98	97	97	99	88	99	A
FI0009R	79	70	35	29	99	98	98	96	98	91	11	40	A
FI0017R	97	97	98	99	99	95	99	99	99	99	94	96	A
FI0022R	99	99	98	97	99	99	99	97	99	99	96	98	A
FR0003R	100	89	100	97	81	95	92	96	96	99	79	98	A
FR0005R	70	91	93	87	99	99	96	90	98	95	96	98	A
FR0008R	93	95	67	71	95	75	68	99	99	97	96	92	A
FR0009R	84	89	93	97	96	82	95	100	95	98	95	92	A
FR0010R	99	95	92	96	91	96	90	78	96	94	98	83	A
FR0011R	97	94	98	0	0	0	0	0	0	0	0	0	A
FR0012R	92	86	88	99	96	98	99	90	100	100	89	94	A
FR0013R	100	97	97	96	97	99	97	100	98	98	98	89	A
FR0014R	0	0	0	99	96	97	98	97	99	89	98	91	A
GB0002R	99	99	99	99	99	99	99	99	99	99	100	99	B
GB0006R	99	99	99	99	99	100	99	99	100	99	99	82	B
GB0013R	99	100	99	100	98	100	99	100	99	82	100	99	B
GB0014R	99	93	99	99	99	99	95	99	54	99	99	99	B
GB0015R	99	99	98	99	99	99	99	99	99	100	99	99	B
HU0002R	92	100	100	100	100	100	100	100	99	100	100	100	A
IE0002R	100	100	100	100	100	100	100	100	100	100	90	98	B
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100	B
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100	B
IT0001R	100	57	100	36	72	30	46	0	100	99	100	100	A
IT0004R	100	100	100	100	100	100	0	100	100	0	100	100	A
LV0010R	100	100	100	98	100	100	58	90	97	100	89	90	B
LV0016R	79	90	58	91	97	98	97	92	98	94	39	96	B
NL0009R	95	85	91	98	92	96	98	94	96	96	99	98	B
NO0001R	97	96	97	95	97	99	81	96	97	99	97	97	A
NO0008R	99	99	98	97	95	99	98	98	91	99	97	96	A
NO0015R	58	71	80	72	94	95	77	95	98	99	89	56	A
NO0039R	98	99	99	91	98	98	99	99	98	100	95	100	A
NO0041R	97	94	99	98	96	99	100	99	99	98	65	100	A
NO0055R	76	85	83	82	93	96	72	91	93	86	60	59	A
PL0002R	99	99	99	100	100	99	90	99	98	98	98	98	A
PL0003R	100	98	99	98	98	99	98	99	100	99	98	98	A
PL0004R	96	97	99	98	82	99	98	94	89	98	97	87	A
PL0005R	98	98	97	99	99	99	99	97	95	97	99	87	B
PT0001R	100	100	100	100	100	100	100	0	100	100	100	100	D
PT0003R	100	100	100	100	100	100	100	100	100	100	100	100	D
PT0004R	100	100	100	100	100	100	100	100	100	100	100	100	D

Table 3.18 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0013R	98	100	100	94	100	100	100	100	100	100	100	100	A
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100	A
SE0002R	99	99	99	99	98	100	98	99	99	100	100	99	B
SE0005R	100	99	100	100	100	100	100	99	100	99	100	100	B
SE0011R	100	100	100	99	100	100	100	100	100	100	100	100	B
SE0012R	100	100	100	100	100	99	100	100	100	100	100	100	B
SK0002R	76	83	70	91	90	98	98	91	99	95	94	90	C
SK0004R	89	78	63	85	87	95	86	94	98	91	91	75	C
SK0005R	87	86	59	95	86	96	89	79	93	92	89	65	C
SK0006R	88	86	89	82	96	99	95	98	98	96	89	84	C
TR0001R	96	100	98	99	100	100	100	100	100	0	0	0	D
YU0005R	97	100	94	98	100	93	99	97	99	96	99	90	B
YU0008R	91	98	89	99	98	97	99	100	99	99	97	98	B

Table 3.19: Monthly weighted averages of chloride in precipitation in 1998. (Unit: mg Cl/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	5.13	0.17	1.00	0.42	0.34	0.14	0.19	0.34	0.12	0.37	0.21	0.21	A
AT0004R	0.32	1.09	0.34	0.17	0.12	0.12	0.15	0.14	0.11	0.23	0.21	0.33	A
AT0005R	1.86	0.20	0.24	0.22	0.10	0.17	0.08	0.12	0.09	0.06	0.15	0.26	A
CH0002R	0.31	0.13	0.39	0.09	0.11	0.26	0.12	0.14	0.18	0.35	0.13	0.21	A
CH0003R	0.11	0.04	0.41	0.08	0.04	0.16	0.14	0.04	0.14	0.27	0.17	0.36	A
CH0004R	0.40	0.12	0.32	0.09	0.04	0.18	0.12	0.09	0.21	0.27	0.15	0.41	A
CH0005R	0.07	0.07	0.15	0.11	0.07	0.24	0.10	0.07	0.08	0.15	0.21	0.35	A
CZ0001R	0.46	0.30	0.59	0.22	0.31	0.12	0.19	0.56	0.14	0.24	0.22	0.31	A
CZ0003R	0.38	0.37	0.85	0.47	0.14	0.23	0.20	0.21	0.12	0.29	0.39	0.75	A
DE0001R	15.72	21.41	27.18	3.30	8.17	5.26	11.12	15.25	7.83	22.41	9.60	8.43	A
DE0002R	1.63	2.62	0.84	0.40	0.57	0.31	0.57	0.90	0.32	0.92	1.55	1.18	A
DE0003R	0.73	0.24	0.61	0.19	0.21	0.26	0.26	0.28	0.42	0.54	0.36	0.71	A
DE0004R	1.54	0.48	0.81	0.42	0.27	0.31	0.39	0.42	0.80	0.64	0.68	0.94	A
DE0005R	0.30	1.00	0.63	0.25	0.24	0.09	0.21	0.16	0.20	0.24	0.24	1.40	A
DE0007R	0.95	1.91	0.91	0.34	0.50	0.57	0.48	0.53	0.23	1.12	0.73	0.45	A
DE0008R	0.73	0.83	0.76	0.25	0.23	0.20	0.28	0.28	0.20	0.54	0.40	1.30	A
DE0009R	2.10	2.26	1.27	0.89	1.43	0.62	1.32	1.28	1.00	5.29	2.42	1.61	A
DK0003R	3.59	2.65	2.23	0.80	0.45	1.58	1.27	1.52	0.92	5.42	2.62	3.75	A
DK0005R	8.09	6.30	2.10	1.33	1.90	0.89	2.00	2.95	2.21	6.72	3.33	2.15	A
DK0008R	5.15	7.49	5.89	0.83	6.85	5.11	5.79	7.74	1.94	7.16	6.41	3.39	A
EE0009R	1.72	1.49	1.83	0.53	0.58	0.93	0.50	0.49	0.73	1.16	0.37	0.86	B
EE0011R	2.90	2.10	3.50	1.00	1.42	0.93	1.00	1.19	0.84	2.28	0.76	1.93	B
ES0001R	1.13	0.94	0.60	1.44	0.56	0.52	-	1.49	0.83	0.58	0.64	0.56	A
ES0003R	1.74	4.79	21.30	2.33	0.73	4.26	2.46	1.10	1.56	0.90	1.00	0.78	A
ES0004R	1.17	2.96	4.37	0.82	0.67	0.98	0.71	0.69	0.88	1.15	1.31	3.43	A
ES0005R	5.57	1.89	-	6.85	1.73	6.29	5.08	-	3.07	3.02	3.00	-	A
ES0006R	-	226.62	316.88	-	-	-	-	-	-	-	-	-	A
ES0007R	1.13	0.64	0.90	1.35	0.67	0.66	-	-	1.01	-	1.06	0.66	A
FI0004R	0.18	0.33	0.17	0.12	0.08	0.10	0.13	0.05	0.18	0.24	0.25	0.20	A
FI0009R	5.19	4.41	3.22	0.51	0.66	1.26	1.86	1.02	1.78	8.19	22.62	4.50	A
FI0017R	0.63	1.31	0.27	0.13	0.09	0.20	0.13	0.21	0.46	0.91	1.04	0.72	A
FI0022R	0.09	0.12	0.13	0.16	0.04	0.06	0.06	0.05	0.18	0.05	0.11	0.17	A
FR0003R	2.54	1.50	1.04	1.06	0.81	1.27	0.30	0.36	0.96	0.67	2.21	1.16	A
FR0005R	33.92	11.05	10.35	7.66	2.85	5.46	4.03	8.50	4.91	12.45	11.89	9.58	A
FR0008R	0.81	0.50	0.88	0.29	0.12	0.26	0.22	0.22	0.43	0.48	0.55	0.74	A
FR0009R	1.69	1.78	1.81	0.43	0.59	0.27	0.21	0.41	0.69	0.93	1.38	1.16	A
FR0010R	0.74	0.41	1.26	0.27	0.27	0.30	0.21	0.14	0.67	0.61	1.05	0.85	A
FR0011R	0.83	0.30	0.73	-	-	-	-	-	-	-	-	-	A
FR0012R	2.15	1.92	1.70	1.93	0.36	1.50	0.32	0.64	0.98	0.56	1.26	2.23	A
FR0013R	1.96	2.83	1.95	1.80	0.28	2.52	0.51	1.02	1.55	1.01	2.12	8.16	A
FR0014R	-	-	-	0.18	0.12	0.38	0.17	0.10	0.39	0.61	0.40	0.52	A
GB0002R	3.75	3.92	1.25	1.12	1.96	0.79	0.94	1.07	0.99	2.37	4.25	11.94	A
GB0006R	9.00	8.27	4.02	1.69	1.66	1.17	1.60	1.64	3.98	7.22	6.26	4.11	A
GB0013R	10.07	6.97	4.49	6.33	1.28	1.70	0.93	0.91	3.53	3.85	5.03	3.61	A
GB0014R	7.13	5.23	2.58	5.97	2.85	1.39	2.88	1.25	1.79	3.42	2.97	8.81	A
GB0015R	1.59	5.54	8.05	2.51	5.59	1.41	0.94	1.59	2.33	8.40	2.03	5.80	A
HU0002R	0.52	2.22	0.71	0.96	0.35	0.63	0.51	0.61	1.36	0.62	0.37	1.78	B

Table 3.19 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
IE0002R	8.21	8.12	2.12	2.46	1.30	0.56	0.76	0.57	2.12	2.72	3.67	7.87	B
IE0003R	12.77	12.48	6.06	2.70	7.08	1.73	2.44	3.69	4.27	12.32	20.17	23.68	B
IE0004R	5.23	7.25	1.75	1.41	1.81	0.46	0.74	0.46	2.29	4.83	3.42	8.74	B
IT0001R	3.90	0.42	0.86	5.64	1.30	8.98	3.77	1.81	0.94	1.37	7.02	3.90	B
IT0004R	0.46	0.43	0.47	0.70	0.17	0.23	0.28	0.16	0.18	0.28	0.42	0.27	A
LT0015R	14.75	11.81	8.13	1.10	6.44	2.54	2.55	4.05	1.30	9.19	4.51	8.08	B
LV0010R	1.08	1.10	0.92	0.60	0.69	0.80	0.26	0.56	0.25	1.63	0.57	1.19	A
LV0016R	1.24	1.03	1.67	1.62	0.41	0.28	0.50	0.38	0.28	0.87	0.84	1.35	A
NL0009R	5.00	4.92	3.75	0.89	1.30	1.25	1.75	5.72	4.61	7.01	6.10	4.68	A
NO0001R	1.35	6.81	2.79	1.32	0.46	0.78	0.88	0.67	1.04	1.82	3.39	5.67	A
NO0008R	2.07	3.89	3.83	0.83	1.04	0.78	1.03	0.85	0.45	2.71	2.17	3.85	A
NO0015R	2.37	3.44	6.99	0.24	0.95	0.18	0.14	0.20	0.38	1.02	0.92	1.49	A
NO0039R	1.92	4.53	7.67	0.18	2.49	0.26	0.27	0.52	0.54	0.97	1.69	4.19	A
NO0041R	0.43	0.23	0.35	0.15	0.21	0.07	0.09	0.22	0.14	0.18	0.70	0.45	A
NO0055R	1.02	0.63	1.08	1.34	1.39	0.25	0.30	0.06	0.36	0.48	0.63	0.86	A
PL0002R	0.98	0.81	1.01	0.32	0.24	0.19	0.29	0.28	0.14	0.45	0.73	1.07	A
PL0003R	1.47	1.52	1.85	1.34	0.86	0.75	0.43	0.77	0.51	0.63	0.39	0.54	A
PL0004R	1.81	1.90	3.07	0.51	0.79	0.77	0.74	0.95	0.70	3.39	1.47	2.04	A
PL0005R	1.06	1.15	1.05	0.58	0.29	0.18	0.30	0.50	0.27	0.81	0.50	0.64	B
PT0001R	0.72	0.68	1.00	0.95	-	-	-	5.80	0.21	-	0.10	0.20	A
PT0003R	6.95	1.90	-	10.24	0.50	-	2.00	-	3.06	2.87	10.34	4.86	A
PT0004R	11.01	-	-	5.00	3.44	-	-	-	3.17	-	-	13.36	A
RU0001R	0.81	1.98	1.89	1.41	2.40	0.64	0.52	0.42	0.62	1.31	3.79	3.93	B
RU0013R	0.57	0.67	0.34	0.57	0.57	0.67	0.74	0.53	0.50	0.42	0.74	0.54	B
RU0016R	7.47	5.32	7.47	1.15	6.18	0.95	0.79	0.63	0.56	4.66	8.52	3.67	B
SE0002R	2.73	4.79	3.96	0.45	1.86	2.50	4.42	2.55	1.04	5.82	2.17	1.62	A
SE0005R	0.03	1.02	0.28	0.10	0.09	0.15	0.11	0.04	0.10	0.12	0.13	0.25	A
SE0011R	2.59	1.57	1.70	0.43	0.86	2.04	1.29	4.25	0.65	2.52	2.04	1.10	A
SE0012R	0.46	0.83	0.61	0.70	0.39	0.44	0.34	0.42	0.35	1.89	1.68	0.33	A
SK0002R	0.76	0.38	1.12	0.40	0.47	0.19	0.16	0.16	0.20	0.20	0.52	0.69	A
SK0004R	0.23	0.15	0.88	0.19	0.28	0.23	0.22	0.24	0.14	0.38	0.23	0.27	A
SK0005R	0.74	0.35	0.99	0.28	0.34	0.17	0.34	0.20	0.14	0.28	0.73	0.65	A
SK0006R	0.42	0.36	0.55	0.29	0.20	0.33	0.28	0.20	0.32	0.38	0.45	0.58	A
TR0001R	0.26	0.26	0.56	0.28	0.36	0.29	-	-	-	-	-	-	A
YU0005R	1.01	4.21	1.57	1.40	1.20	0.63	0.45	1.46	0.91	0.41	1.25	0.80	D
YU0008R	0.20	0.21	2.25	1.18	1.00	1.08	1.75	0.64	1.73	0.89	0.87	0.96	D

Table 3.20: Chloride in precipitation 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	90	98	99	95	100	100	100	100	100	100	99	100	A
AT0004R	98	100	100	99	100	100	99	99	99	99	99	97	A
AT0005R	98	100	100	99	100	99	99	98	99	99	100	88	A
CH0002R	97	98	100	98	100	98	99	99	99	99	99	93	A
CH0003R	99	94	98	98	98	91	99	99	98	99	99	92	A
CH0004R	99	98	98	97	97	99	95	99	100	98	97	99	A
CH0005R	96	97	98	98	97	99	99	99	99	97	98	95	A
CZ0001R	100	69	100	98	98	100	100	100	99	100	77	45	A
CZ0003R	95	95	94	94	95	98	96	94	95	96	99	96	A
DE0001R	99	96	96	98	96	98	99	98	99	91	99	98	A
DE0002R	42	88	52	98	96	99	95	94	76	85	97	76	A
DE0003R	72	68	54	84	98	99	99	99	52	44	90	98	A
DE0004R	79	100	99	97	99	100	100	99	91	85	98	98	A
DE0005R	99	95	98	97	99	99	99	99	100	99	100	98	A
DE0007R	98	94	96	99	98	97	98	99	96	99	93	98	A
DE0008R	50	97	68	97	90	80	99	49	96	69	66	78	A
DE0009R	22	43	83	83	48	68	38	47	98	9	86	71	A
DK0003R	99	92	89	89	99	100	99	99	99	99	98	99	A
DK0005R	97	97	99	99	61	99	99	99	98	100	99	99	A
DK0008R	99	100	100	99	100	100	99	100	100	100	100	99	A
EE0009R	81	100	100	98	100	99	100	100	100	98	100	99	B
EE0011R	100	100	100	100	95	100	100	100	100	100	100	100	B
ES0001R	100	99	100	92	100	100	100	100	99	100	100	97	A
ES0003R	100	93	78	97	100	100	100	100	100	100	68	100	A
ES0004R	100	100	100	96	100	100	94	100	100	100	100	70	A
ES0005R	100	100	100	95	100	100	100	100	99	99	88	0	A

Table 3.20 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
ES0006R	100	100	100	100	100	100	100	100	100	100	100	100	A
ES0007R	100	100	100	98	99	100	100	100	100	0	100	100	A
FI0004R	99	98	98	98	97	99	98	97	97	99	88	99	A
FI0009R	79	70	35	29	99	98	98	96	98	91	11	40	A
FI0017R	97	97	98	99	99	95	99	99	99	99	94	96	A
FI0022R	99	99	98	97	99	99	99	97	99	99	96	98	A
FR0003R	100	89	100	97	81	95	92	96	96	99	79	98	A
FR0005R	70	91	93	87	99	99	96	90	98	95	96	98	A
FR0008R	93	95	67	71	95	75	68	99	99	97	96	92	A
FR0009R	84	89	93	97	96	82	95	100	95	98	95	92	A
FR0010R	99	95	92	96	91	96	90	78	96	94	98	83	A
FR0011R	97	94	98	0	0	0	0	0	0	0	0	0	A
FR0012R	92	86	88	99	96	98	99	90	100	100	89	94	A
FR0013R	100	97	97	96	97	99	97	100	98	98	98	89	A
FR0014R	0	0	0	79	96	97	98	97	99	89	98	91	A
GB0002R	99	99	99	99	74	99	66	99	99	99	77	99	A
GB0006R	99	99	99	99	99	93	99	99	100	99	99	82	A
GB0013R	99	100	99	100	98	100	99	100	99	82	100	99	A
GB0014R	94	93	64	93	94	91	95	99	52	99	92	92	A
GB0015R	99	99	98	99	99	99	78	99	99	100	99	99	A
HU0002R	100	100	100	100	100	100	100	100	100	100	100	100	B
IE0002R	100	100	100	100	100	100	100	100	100	100	90	98	B
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100	B
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100	B
IT0001R	100	57	100	36	72	30	46	0	100	99	100	100	B
IT0004R	100	100	100	100	100	100	0	100	100	0	100	100	A
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100	B
LV0010R	100	100	100	100	100	100	100	100	100	100	100	98	A
LV0016R	93	96	92	91	97	99	99	73	98	100	84	96	A
NL0009R	99	98	98	99	99	98	99	99	99	98	99	99	A
NO0001R	97	96	97	95	97	99	81	96	97	99	97	97	A
NO0008R	99	99	97	97	97	99	98	98	91	99	97	96	A
NO0015R	58	71	80	72	94	95	77	95	98	99	89	56	A
NO0039R	98	99	99	91	98	98	99	99	98	100	95	100	A
NO0041R	97	94	99	98	96	99	100	99	99	98	100	100	A
NO0055R	76	85	83	82	93	96	72	91	93	86	60	59	A
PL0002R	99	99	99	100	100	99	98	99	98	98	98	98	A
PL0003R	100	98	99	98	100	99	98	99	100	99	98	98	A
PL0004R	96	97	99	98	96	99	98	94	89	98	97	87	A
PL0005R	100	100	98	99	100	100	78	100	96	100	100	99	B
PT0001R	100	100	100	100	100	100	100	0	100	100	100	100	A
PT0003R	100	100	100	100	100	100	100	100	100	100	100	100	A
PT0004R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100	B
RU0013R	100	100	100	100	100	100	100	100	100	100	100	100	B
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100	B
SE0002R	100	99	99	99	100	100	98	99	99	100	100	99	A
SE0005R	100	100	100	100	100	100	100	100	100	99	100	100	A
SE0011R	100	100	100	99	100	100	100	100	100	100	100	100	A
SE0012R	100	100	100	100	100	99	100	100	100	100	100	100	A
SK0002R	76	83	70	91	90	98	98	91	99	95	94	90	A
SK0004R	89	78	63	85	87	95	86	94	98	91	91	75	A
SK0005R	87	86	59	95	86	96	89	79	93	92	89	65	A
SK0006R	88	86	89	82	96	99	95	98	98	96	89	84	A
TR0001R	100	100	100	99	100	100	100	100	100	0	0	0	A
YU0005R	97	100	81	96	98	96	98	97	97	94	98	85	D
YU0008R	91	98	81	99	99	97	73	100	99	99	96	96	D

Table 3.21: Monthly weighted averages of calcium in precipitation in 1998. (Unit: mg Ca/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	7.85	0.22	1.46	0.80	2.62	0.43	0.74	0.89	0.32	0.43	0.18	0.28	A
AT0004R	0.18	1.45	0.14	0.28	0.24	0.23	0.27	0.42	0.32	0.66	0.38	0.49	A
AT0005R	3.11	1.00	1.10	0.35	0.40	0.45	0.24	0.39	0.12	0.03	0.14	0.39	A
CH0002R	0.20	0.70	0.69	0.28	0.54	1.04	1.20	0.56	0.46	0.09	0.05	0.07	A
CH0003R	0.19	0.15	0.24	0.23	0.61	0.54	0.60	0.31	0.30	0.11	0.03	0.04	A
CH0004R	0.11	0.64	0.45	0.29	0.32	0.49	1.09	0.33	0.38	0.05	0.02	0.02	A
CH0005R	0.21	0.21	0.12	0.38	0.35	0.40	0.58	0.35	0.41	0.05	0.03	0.04	A
CZ0001R	0.34	0.35	0.42	0.23	0.45	0.23	0.43	0.55	0.17	0.18	0.12	0.11	B
CZ0003R	0.17	0.45	0.22	0.20	0.28	0.19	0.20	0.41	0.09	0.20	0.16	0.10	B
DE0001R	0.54	0.83	1.26	0.37	0.79	0.82	0.71	0.82	0.52	0.67	0.66	1.30	A
DE0002R	0.35	0.66	0.38	0.59	0.93	0.65	0.52	0.42	0.54	0.43	0.54	0.42	A
DE0003R	0.14	0.26	0.21	0.24	0.32	0.34	0.44	0.26	0.33	0.29	0.18	0.38	A
DE0004R	0.20	0.24	0.50	0.24	0.23	0.70	0.36	0.34	0.55	0.32	0.51	0.42	A
DE0005R	0.15	1.17	0.32	0.41	0.31	0.36	0.40	0.25	0.20	0.15	0.19	0.47	A
DE0007R	0.24	0.53	0.32	0.58	0.29	0.56	0.44	0.39	0.30	0.27	0.45	0.28	A
DE0008R	0.07	0.15	0.24	0.19	0.35	0.33	0.16	0.20	0.06	0.09	0.07	0.10	A
DE0009R	0.34	0.83	0.43	1.15	1.14	0.80	0.68	0.43	0.46	0.66	1.05	0.35	A
DK0003R	0.08	0.20	0.11	0.15	0.18	0.17	0.05	0.07	0.09	0.14	0.11	0.15	A
DK0005R	0.26	0.61	0.12	0.28	0.33	0.29	0.15	0.84	0.14	0.30	0.25	0.18	A
DK0008R	0.16	0.33	0.23	0.24	0.59	0.23	0.20	0.34	0.16	0.21	0.19	0.12	A
EE0009R	2.96	0.54	2.61	1.87	3.53	3.39	0.67	1.39	0.95	0.56	0.80	0.18	D
EE0011R	0.40	0.70	2.00	1.62	0.77	0.28	0.23	0.66	0.37	0.33	0.42	0.17	D
ES0001R	0.26	0.18	0.72	0.66	0.24	0.37	-	4.02	0.54	0.25	0.56	0.35	A
ES0003R	1.63	2.65	23.20	4.51	1.73	-	8.16	2.42	3.70	1.38	-	0.92	A
ES0004R	0.84	1.05	1.68	1.24	1.23	1.92	0.65	2.05	1.87	2.54	1.35	2.04	A
ES0005R	0.30	0.17	-	0.34	0.30	1.02	0.34	-	0.35	0.37	0.62	-	A
ES0006R	-	28.93	17.40	-	-	-	-	-	-	-	-	-	A
ES0007R	0.96	0.37	0.96	0.96	0.88	1.71	-	-	1.74	-	3.09	1.24	A
FI0004R	0.04	0.05	0.06	0.07	0.13	0.11	0.08	0.01	0.21	0.04	0.06	0.03	A
FI0009R	0.24	0.42	0.30	0.14	0.32	0.45	0.19	0.09	0.28	0.27	1.86	0.14	A
FI0017R	0.53	0.53	0.16	0.26	0.22	0.35	0.08	0.30	0.44	0.23	0.20	0.55	A
FI0022R	0.01	0.01	0.03	0.23	0.03	0.08	0.03	0.04	0.07	0.01	0.02	0.01	A
FR0003R	0.10	0.35	0.20	0.24	0.36	0.48	0.45	0.39	0.21	0.07	0.11	0.11	A
FR0005R	1.31	0.84	0.52	0.30	1.01	0.26	0.28	0.42	0.22	0.40	0.36	0.29	A
FR0008R	0.05	0.16	0.21	0.13	0.13	0.50	0.32	0.16	0.21	0.07	0.07	0.09	A
FR0009R	0.10	0.37	0.48	0.11	0.48	0.21	0.17	0.23	0.35	0.09	0.19	0.08	A
FR0010R	0.07	0.15	0.17	0.09	0.26	0.23	0.62	0.32	0.72	0.14	0.07	0.11	A
FR0011R	0.12	0.30	0.25	-	-	-	-	-	-	-	-	-	A
FR0012R	0.30	0.32	0.21	0.33	0.52	1.36	0.67	1.71	0.39	0.14	0.11	0.23	A
FR0013R	0.23	0.43	0.48	0.28	0.14	1.12	1.16	0.97	1.41	0.11	0.12	0.65	A
FR0014R	-	-	-	0.39	0.23	0.34	0.58	0.26	0.20	0.10	0.16	0.13	A
GB0002R	0.23	0.77	0.22	0.16	0.36	0.13	0.09	0.17	0.19	0.16	0.16	0.40	B
GB0006R	0.53	0.89	0.48	0.68	0.55	0.47	0.30	0.31	0.80	0.36	0.33	0.42	B
GB0013R	0.55	0.55	0.87	0.51	1.07	0.20	0.23	0.52	0.23	0.25	0.28	0.28	B
GB0014R	0.34	0.86	0.29	0.29	0.75	0.27	3.05	0.33	0.34	0.19	0.14	0.33	B
GB0015R	0.36	0.36	0.70	0.15	0.37	0.12	0.17	0.27	0.37	0.43	0.48	0.32	B
HU0002R	0.64	1.06	0.86	0.69	0.52	0.54	0.47	0.57	0.56	0.74	0.58	1.04	B
IE0002R	0.24	0.83	0.21	0.13	0.20	0.13	0.14	0.12	0.14	0.13	0.16	0.17	B
IE0003R	0.45	0.64	0.31	0.23	0.85	0.21	0.12	0.41	0.24	0.34	0.53	0.61	B
IE0004R	0.13	0.70	0.26	0.20	0.45	0.18	0.19	0.17	0.20	0.34	0.16	0.27	B
IT0001R	0.91	1.06	0.91	2.06	3.93	3.72	6.11	12.06	1.25	0.83	2.58	0.91	D
IT0004R	0.22	0.31	0.82	0.36	0.35	0.64	0.87	0.47	0.26	0.05	0.15	0.13	A
LT0015R	1.38	1.19	1.54	0.91	0.96	0.96	1.06	0.99	0.75	1.79	0.78	1.48	A
LV0010R	0.22	0.44	0.26	0.25	0.46	0.14	0.10	0.13	0.20	0.51	0.11	0.28	B
LV0016R	1.05	1.31	1.82	2.04	1.06	0.68	0.64	0.38	0.74	0.70	0.25	0.91	B
NL0009R	0.55	0.48	0.22	0.18	0.19	0.35	0.15	0.22	0.30	0.35	0.24	0.22	A
NO0001R	0.05	0.20	0.14	0.07	0.11	0.06	0.06	0.04	0.47	0.04	0.10	0.13	A
NO0008R	0.14	0.20	0.16	0.17	0.33	0.10	0.26	0.10	0.07	0.09	0.55	0.11	A
NO0015R	0.09	0.10	0.19	0.12	0.12	0.10	0.06	0.06	0.05	0.04	0.09	0.06	A
NO0039R	0.06	0.12	0.18	0.06	0.12	0.05	0.02	0.03	0.08	0.04	0.05	0.12	A
NO0041R	0.05	0.03	0.08	0.12	0.33	0.13	0.12	0.07	0.04	0.03	0.12	0.05	A
NO0055R	0.07	0.05	0.25	0.24	0.27	0.05	0.09	0.02	0.07	0.09	0.04	0.09	A
PL0002R	0.24	0.29	0.37	0.25	0.20	0.21	0.26	0.35	0.10	0.18	0.28	0.35	A
PL0003R	0.26	1.02	0.36	1.44	0.48	0.65	0.43	0.30	0.21	0.18	0.26	0.17	A
PL0004R	0.12	0.32	0.29	0.15	0.31	0.23	0.13	0.22	0.34	0.19	0.13	0.17	A
PL0005R	0.16	0.18	0.21	0.57	0.24	0.21	0.24	0.40	0.26	0.20	0.16	0.05	B

Table 3.21 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
PT0001R	2.77	0.38	5.25	0.29	-	-	-	18.90	1.06	-	0.30	0.60	B
PT0003R	0.30	1.30	-	0.45	1.00	-	1.40	-	0.43	0.32	1.89	0.49	B
PT0004R	1.27	-	-	0.37	0.58	-	-	-	1.30	-	-	1.81	B
RU0001R	0.08	0.19	0.17	0.03	0.19	0.17	0.16	0.16	0.10	0.18	0.27	0.23	D
RU0013R	0.23	0.15	0.05	0.17	0.26	0.27	0.23	0.16	0.20	0.13	0.33	0.23	D
RU0016R	0.48	0.72	0.41	0.34	0.40	0.49	0.34	0.24	0.36	0.61	2.66	0.70	D
SE0002R	0.15	0.55	0.20	0.16	0.21	0.20	0.17	0.15	0.18	0.28	0.13	0.13	A
SE0005R	0.10	0.03	0.05	0.17	0.17	0.13	0.09	0.09	0.12	0.17	0.09	0.09	A
SE0011R	0.23	0.22	0.20	0.15	0.30	0.22	0.12	0.29	0.16	0.15	0.20	0.11	A
SE0012R	0.15	0.07	0.11	0.36	0.35	0.20	0.15	0.28	0.17	0.48	0.80	0.12	A
SK0002R	0.56	0.52	0.55	0.46	0.47	0.33	0.22	0.44	0.15	0.20	0.23	0.23	B
SK0004R	1.13	0.31	0.96	0.45	0.35	0.54	0.34	0.77	0.16	0.19	0.16	0.13	B
SK0005R	0.48	0.61	0.54	0.43	0.50	0.22	0.37	0.62	0.21	0.19	0.24	0.30	B
SK0006R	0.38	0.42	0.78	0.80	0.56	0.33	0.48	0.43	1.17	0.28	0.26	0.19	B
TR0001R	0.52	0.85	2.34	1.59	1.88	2.50	-	-	-	-	-	-	D
YU0005R	1.52	2.44	2.74	2.23	1.92	1.21	0.84	0.68	0.78	0.46	0.84	1.28	B
YU0008R	0.54	0.08	1.08	1.71	2.05	0.79	4.64	1.37	0.60	0.56	0.55	0.44	B

Table 3.22: Calcium in precipitation 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	90	98	99	95	100	100	100	100	100	100	99	100	A
AT0004R	97	100	100	99	100	99	99	99	99	98	99	97	A
AT0005R	98	100	100	99	99	99	99	98	99	99	100	88	A
CH0002R	97	98	100	98	100	98	99	99	99	99	96	93	A
CH0003R	99	94	86	98	98	91	99	99	97	99	99	92	A
CH0004R	99	98	98	97	97	99	95	99	100	98	97	99	A
CH0005R	96	97	67	98	97	99	99	99	99	97	98	95	A
CZ0001R	100	63	100	98	98	100	100	100	99	100	77	45	B
CZ0003R	95	97	94	95	95	98	97	94	99	96	99	96	B
DE0001R	99	96	96	98	96	98	99	98	98	91	99	98	A
DE0002R	42	87	52	98	96	99	95	94	77	85	97	76	A
DE0003R	72	68	54	84	98	99	99	99	52	44	90	98	A
DE0004R	79	100	99	97	99	100	100	99	91	85	98	98	A
DE0005R	99	95	98	97	99	99	99	99	100	99	100	98	A
DE0007R	98	94	96	99	98	97	98	97	96	99	93	98	A
DE0008R	50	97	68	97	90	80	99	49	96	69	66	78	A
DE0009R	22	43	83	83	48	68	37	47	98	9	86	71	A
DK0003R	96	96	94	94	99	97	95	97	68	99	86	99	A
DK0005R	97	92	96	98	96	98	97	94	98	98	98	96	A
DK0008R	99	100	100	99	100	100	99	100	100	100	100	99	A
EE0009R	100	84	93	93	98	100	100	100	93	97	97	97	D
EE0011R	100	100	100	100	86	100	93	100	100	100	100	100	D
ES0001R	82	85	98	92	100	100	100	89	91	100	100	97	A
ES0003R	98	85	78	93	97	0	100	94	90	100	0	100	A
ES0004R	95	100	95	96	96	97	94	100	100	100	100	70	A
ES0005R	100	100	100	95	100	53	100	100	98	99	82	0	A
ES0006R	100	100	100	100	100	100	100	100	100	100	100	100	A
ES0007R	100	99	100	93	98	100	100	100	99	0	100	100	A
FI0004R	99	98	98	98	97	99	98	97	97	99	88	99	A
FI0009R	79	70	35	29	99	98	98	96	98	91	11	40	A
FI0017R	97	97	98	99	99	95	99	99	99	99	94	96	A
FI0022R	99	99	98	97	99	99	99	97	99	99	96	98	A
FR0003R	100	89	100	97	81	95	92	96	96	99	79	98	A
FR0005R	70	91	93	87	99	99	96	90	98	95	96	98	A
FR0008R	93	95	67	71	95	75	68	99	99	97	96	92	A
FR0009R	84	89	93	97	96	82	95	100	95	98	95	92	A
FR0010R	99	95	92	96	91	96	90	78	96	94	98	83	A
FR0011R	97	94	98	0	0	0	0	0	0	0	0	0	A
FR0012R	92	86	88	99	96	98	99	90	100	100	89	94	A
FR0013R	100	97	97	96	97	99	97	100	98	98	98	89	A
FR0014R	0	0	0	79	96	97	98	97	99	89	98	91	A
GB0002R	99	99	99	99	99	99	99	99	99	99	100	99	B
GB0006R	99	99	99	99	99	100	99	99	100	99	99	82	B
GB0013R	99	100	99	100	98	100	99	100	99	82	100	99	B
GB0014R	99	93	99	99	99	99	95	99	54	99	99	99	B
GB0015R	99	99	98	99	99	99	99	99	99	100	99	99	B

Table 3.22 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
HU0002R	100	100	100	100	100	100	99	100	99	100	100	100	B
IE0002R	100	100	100	100	100	100	100	100	100	100	90	98	B
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100	B
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100	B
IT0001R	100	57	100	36	72	30	46	0	100	99	100	100	D
IT0004R	100	100	100	100	100	100	0	100	100	0	100	100	A
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100	A
LV0010R	100	100	100	98	100	100	100	75	97	100	100	90	B
LV0016R	79	96	58	91	97	99	97	94	98	94	39	96	B
NL0009R	95	85	91	98	92	96	98	94	96	96	99	98	A
NO0001R	97	96	97	95	97	99	81	96	52	99	92	46	A
NO0008R	99	99	98	97	95	99	98	67	91	99	97	96	A
NO0015R	58	71	80	72	94	95	77	66	96	99	74	55	A
NO0039R	98	99	99	91	98	98	79	57	98	98	95	97	A
NO0041R	97	94	99	98	96	99	73	99	99	98	65	100	A
NO0055R	76	85	83	82	93	96	67	78	93	58	60	59	A
PL0002R	99	99	99	100	100	99	90	99	98	98	98	98	A
PL0003R	100	98	99	98	98	99	98	99	100	99	98	98	A
PL0004R	96	97	99	98	82	99	98	94	89	98	97	87	A
PL0005R	98	98	97	99	99	99	99	97	96	97	99	87	B
PT0001R	100	100	100	100	100	100	100	0	100	100	100	100	B
PT0003R	100	100	100	100	100	100	100	100	100	100	100	100	B
PT0004R	100	100	100	100	100	100	100	100	100	100	100	100	B
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100	D
RU0013R	98	100	100	94	100	100	100	100	100	100	100	100	D
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100	D
SE0002R	99	99	99	99	94	100	98	99	99	100	100	99	A
SE0005R	100	99	100	100	100	100	100	99	100	99	100	100	A
SE0011R	100	100	100	99	100	100	100	100	100	100	100	100	A
SE0012R	100	100	100	100	100	99	100	100	100	100	100	100	A
SK0002R	76	83	70	91	90	98	98	91	99	95	94	90	B
SK0004R	89	78	63	85	87	95	86	94	98	91	91	75	B
SK0005R	87	86	59	95	86	96	89	79	93	92	89	65	B
SK0006R	88	86	89	82	96	99	95	98	98	96	89	84	B
TR0001R	96	100	98	99	100	100	100	100	100	0	0	0	D
YU0005R	97	100	94	98	100	93	99	97	99	96	99	90	B
YU0008R	91	98	89	99	98	97	99	100	99	99	97	98	B

Table 3.23: Monthly weighted averages of pH in precipitation in 1998. (pH units).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	5.71	4.76	5.52	4.79	5.89	5.07	5.20	5.15	4.98	4.78	4.66	4.29	A
AT0004R	4.46	4.71	4.49	4.78	4.71	5.21	4.98	6.01	5.36	5.50	5.18	5.27	A
AT0005R	5.48	5.96	4.98	4.90	4.94	5.29	4.88	4.82	4.76	4.90	4.61	4.34	A
CH0002R	5.17	5.77	5.26	5.04	5.26	6.14	5.23	5.04	5.38	5.27	5.09	5.29	A
CH0003R	5.26	5.18	4.67	4.80	5.20	5.51	4.79	5.22	5.12	4.97	4.95	4.70	A
CH0004R	4.88	5.35	5.35	5.02	5.18	5.23	5.01	5.01	5.00	4.92	4.78	4.76	A
CH0005R	4.88	5.09	4.54	4.96	4.69	4.93	4.91	5.45	5.03	4.82	4.71	4.77	A
CZ0001R	4.30	4.42	4.57	5.09	4.64	4.71	4.83	5.18	4.64	5.10	4.38	4.61	A
CZ0003R	4.32	4.60	4.51	4.52	4.85	4.65	4.61	5.04	4.77	4.86	4.48	4.36	A
DE0001R	4.78	4.80	4.72	4.81	4.48	4.92	4.98	4.74	4.79	4.88	4.69	4.75	A
DE0002R	4.97	5.84	5.27	5.02	4.87	5.00	5.07	5.54	5.01	5.07	4.92	5.42	A
DE0003R	4.93	5.07	4.70	4.98	4.79	5.06	4.99	5.06	4.96	4.95	4.73	4.64	A
DE0004R	4.97	5.56	4.83	4.55	4.90	4.92	4.67	5.21	4.66	4.90	4.55	4.59	A
DE0005R	4.77	4.88	4.63	5.05	4.88	4.84	4.73	5.34	4.95	4.90	4.72	4.53	A
DE0007R	4.62	4.99	4.85	4.51	4.81	4.62	4.68	4.69	4.71	4.92	4.59	4.95	A
DE0008R	4.55	4.72	4.82	4.58	4.51	4.73	4.47	4.75	4.79	4.67	4.58	4.37	A
DE0009R	4.86	4.81	5.03	5.02	5.75	5.02	4.91	5.22	4.84	5.54	4.50	4.70	A
DK0003R	4.75	4.80	4.90	4.58	5.43	4.77	5.02	4.78	4.80	4.83	4.40	4.70	A
DK0005R	4.80	4.98	4.81	5.04	4.58	5.03	5.06	5.43	5.11	5.03	4.55	4.81	A
DK0008R	4.49	4.83	4.70	4.44	4.77	4.66	4.81	4.59	4.82	4.75	4.26	4.44	A
EE0009R	5.36	5.34	4.93	5.50	5.44	5.30	5.29	4.96	6.18	4.91	4.38	4.58	A
EE0011R	4.39	4.74	5.25	5.51	5.48	5.18	4.99	6.09	5.59	3.30	4.59	4.50	A
ES0001R	5.46	5.60	6.02	6.19	5.37	6.05	-	6.48	5.78	5.76	5.77	5.75	A
ES0003R	6.30	6.73	7.35	6.61	6.51	7.14	6.52	5.48	6.69	6.28	6.76	6.42	A

Table 3.23 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
ES0004R	6.41	6.43	6.51	6.41	6.37	6.47	6.36	6.34	6.47	6.62	6.54	6.59	A
ES0005R	5.39	4.91	-	5.88	5.02	5.21	4.84	-	5.20	4.76	5.09	-	A
ES0006R	-	7.27	6.84	-	-	-	-	-	-	-	-	-	A
ES0007R	6.17	5.98	6.27	6.37	6.26	6.49	-	-	6.40	-	6.24	6.21	A
FI0004R	4.63	4.66	4.76	4.61	4.93	4.87	4.89	4.86	4.84	4.71	4.49	4.61	A
FI0009R	4.26	4.05	4.37	4.60	4.76	4.62	4.71	4.64	4.70	4.37	3.94	4.35	A
FI0017R	4.37	4.46	4.60	4.58	5.19	4.89	5.09	5.04	4.99	4.83	4.74	4.72	A
FI0022R	4.69	4.92	4.70	4.38	4.78	4.75	4.77	4.75	4.75	5.01	4.71	4.87	A
FR0003R	5.05	5.56	5.19	4.98	5.30	5.07	5.51	5.44	5.08	4.90	4.91	4.90	A
FR0005R	5.22	5.65	5.61	4.83	4.89	5.05	4.97	4.96	4.91	4.90	5.05	4.89	A
FR0008R	4.85	5.59	5.23	4.81	4.90	4.95	5.48	5.18	4.93	5.05	4.55	4.49	A
FR0009R	5.03	5.86	5.26	4.92	4.76	4.75	4.62	5.29	4.99	4.85	4.58	4.63	A
FR0010R	5.13	5.40	5.23	4.74	4.94	5.09	5.37	5.40	5.19	5.07	4.67	4.65	A
FR0011R	4.91	5.41	5.49	-	-	-	-	-	-	-	-	-	A
FR0012R	5.50	5.13	4.95	5.13	4.88	5.36	5.25	5.22	5.28	4.84	5.27	5.24	A
FR0013R	5.25	5.72	5.25	5.10	4.66	5.61	4.95	5.81	4.96	4.76	4.88	4.70	A
FR0014R	-	-	-	4.75	5.06	5.11	4.91	5.08	4.96	4.94	4.64	4.76	A
GB0002R	4.82	5.41	4.80	4.58	4.69	4.87	4.82	4.92	4.72	5.07	4.82	5.05	A
GB0006R	5.38	5.50	5.23	4.92	5.19	5.08	5.20	5.10	5.22	5.32	5.35	5.46	A
GB0013R	5.42	5.24	5.21	4.89	4.72	4.76	4.88	6.06	4.88	4.98	4.96	5.32	A
GB0014R	4.54	4.59	4.45	4.28	4.63	4.45	4.91	4.47	4.18	4.62	4.51	4.53	A
GB0015R	5.46	5.26	5.24	4.53	4.85	4.84	5.13	5.00	5.10	5.34	5.51	5.43	A
HU0002R	5.82	6.95	6.54	6.57	5.98	6.37	5.98	5.75	6.07	5.62	5.29	5.51	A
IE0002R	5.50	6.08	5.71	5.11	4.99	5.18	5.48	5.58	4.98	5.31	5.20	5.30	B
IE0003R	5.52	5.70	5.91	5.50	5.52	4.93	4.96	4.93	5.02	5.34	5.35	5.48	B
IE0004R	5.67	6.54	5.47	5.59	4.98	4.87	5.36	5.30	4.63	5.06	5.45	5.59	B
IS0002R	6.21	6.54	6.65	6.68	6.07	6.33	6.10	5.75	5.75	5.63	6.30	5.61	A
IT0001R	4.64	4.21	3.74	4.32	5.29	5.16	5.29	6.00	5.07	3.90	5.04	4.64	D
IT0004R	4.35	4.09	4.08	4.55	4.67	5.58	4.60	4.93	4.80	4.42	4.04	4.29	A
LT0015R	4.88	4.82	5.83	5.16	4.47	5.33	5.63	5.62	5.98	5.51	5.81	5.12	A
LV0010R	4.36	4.56	4.36	4.54	4.53	4.59	4.15	4.12	4.64	4.67	4.67	4.13	A
LV0016R	5.51	5.81	5.96	5.72	5.50	6.17	6.15	4.87	5.05	5.65	5.54	5.08	A
NL0009R	5.32	6.08	5.25	5.08	5.57	5.03	4.68	5.67	5.37	5.17	5.07	5.86	A
NO0001R	4.57	4.75	4.55	4.54	4.49	4.57	4.55	4.51	4.39	4.74	4.14	4.17	A
NO0008R	4.85	5.08	4.75	4.39	4.60	4.85	5.02	4.78	4.83	5.19	4.40	4.82	A
NO0015R	5.31	5.51	5.37	4.67	5.57	5.57	5.31	5.49	5.39	5.51	4.88	5.44	A
NO0039R	5.31	5.42	5.23	4.78	5.25	5.01	5.12	5.08	5.07	5.25	5.04	5.38	A
NO0041R	4.64	5.13	4.51	4.54	4.59	5.14	5.10	4.88	4.82	4.85	4.69	4.71	A
NO0055R	4.96	5.22	4.95	4.47	4.68	4.58	4.64	4.92	5.05	4.92	5.02	5.48	A
PL0002R	4.35	4.55	4.43	4.67	4.74	4.72	4.63	4.62	4.92	4.73	4.33	4.21	A
PL0003R	4.34	4.27	4.35	4.43	4.40	4.42	4.21	4.21	4.19	4.22	4.10	4.10	A
PL0004R	4.39	4.39	4.55	4.38	4.67	4.76	4.72	4.90	4.74	4.79	4.38	4.44	A
PL0005R	4.47	4.45	4.55	4.68	4.76	4.83	5.34	5.18	5.20	4.65	4.61	4.35	B
PT0001R	5.35	5.63	6.40	5.02	-	-	-	7.41	6.40	-	6.34	4.88	A
PT0003R	4.61	6.36	-	5.65	-	-	6.31	-	5.45	4.85	5.33	4.39	A
PT0004R	6.29	-	-	5.29	4.94	-	-	-	5.91	-	-	5.46	A
RU0001R	5.02	5.57	5.04	4.52	5.25	4.76	4.55	4.73	4.94	5.34	5.14	5.39	A
RU0013R	5.26	5.38	5.47	4.48	5.35	5.09	4.92	5.23	5.11	5.38	5.37	5.45	A
RU0016R	4.98	4.92	5.08	4.97	5.46	5.13	5.07	4.98	4.98	4.92	4.67	4.87	A
SE0002R	4.58	4.67	4.78	4.50	4.69	4.58	4.58	4.55	4.75	4.64	4.40	4.35	A
SE0005R	4.59	5.41	5.17	4.67	5.16	5.34	4.98	4.90	4.75	4.99	4.63	5.00	A
SE0011R	4.53	4.61	4.71	4.65	4.82	4.82	4.85	4.88	5.35	4.69	4.15	4.44	A
SE0012R	4.67	5.32	4.72	4.79	4.83	4.59	4.72	4.80	4.65	4.52	4.38	4.34	A
SK0002R	4.36	4.36	4.22	4.67	4.69	4.50	4.51	4.51	4.52	4.58	4.21	4.29	A
SK0004R	4.58	4.42	4.28	4.52	4.85	4.63	4.56	4.89	4.69	4.66	4.42	4.42	A
SK0005R	4.28	4.33	4.50	4.39	4.72	4.56	4.50	4.90	4.77	4.70	4.33	4.39	A
SK0006R	4.28	4.16	4.47	5.26	5.20	4.58	4.58	4.50	4.74	4.44	4.30	4.13	A
TR0001R	5.20	4.76	5.56	6.02	5.20	5.79	-	-	-	-	-	-	A
YU0005R	5.62	6.48	4.75	6.83	5.15	5.84	5.34	4.89	5.01	5.60	4.91	4.60	A
YU0008R	5.64	6.06	5.60	6.00	6.26	6.36	6.34	5.36	5.64	5.71	5.36	5.89	A

Table 3.24: pH in precipitation 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	100	100	100	100	100	100	100	100	100	100	100	100	A
AT0004R	100	100	100	100	100	100	100	100	100	100	100	100	A
AT0005R	100	100	100	100	100	100	100	99	100	100	100	100	A
CH0002R	99	98	100	99	100	100	99	99	99	99	99	97	A
CH0003R	99	100	99	99	99	91	99	99	99	99	99	99	A
CH0004R	99	98	99	100	100	99	95	99	100	99	99	99	A
CH0005R	98	98	98	99	97	99	100	99	100	99	100	98	A
CZ0001R	100	69	100	100	100	100	100	100	100	100	77	100	A
CZ0003R	95	97	94	95	97	99	97	94	99	96	99	97	A
DE0001R	99	98	98	99	98	99	99	99	99	91	99	99	A
DE0002R	42	86	53	99	98	99	96	93	76	85	97	80	A
DE0003R	72	68	54	84	99	99	99	99	53	45	90	98	A
DE0004R	78	97	97	97	100	99	100	97	91	85	96	97	A
DE0005R	99	98	99	100	100	100	99	100	100	99	99	99	A
DE0007R	99	96	99	98	98	98	99	99	99	99	97	98	A
DE0008R	50	97	68	97	90	80	99	49	96	69	67	78	A
DE0009R	23	44	84	83	48	68	38	47	98	9	86	72	A
DK0003R	96	90	91	93	99	96	98	96	93	99	86	99	A
DK0005R	94	76	97	78	80	98	72	90	89	96	97	95	A
DK0008R	99	100	100	99	100	100	99	99	100	100	100	99	A
EE0009R	100	100	100	100	100	100	100	100	100	100	100	100	A
EE0011R	100	100	100	100	100	100	100	100	100	100	100	100	A
ES0001R	100	100	100	100	100	100	100	100	100	100	100	100	A
ES0003R	100	100	100	100	100	100	100	100	100	100	100	100	A
ES0004R	100	100	100	100	100	100	100	100	100	100	100	70	A
ES0005R	100	100	100	100	100	100	100	100	100	100	88	0	A
ES0006R	100	100	100	100	100	100	100	100	100	100	100	100	A
ES0007R	100	100	100	98	100	100	100	100	100	0	100	100	A
FI0004R	100	98	99	98	97	99	99	99	98	99	93	99	A
FI0009R	79	70	73	29	99	99	99	98	98	92	12	43	A
FI0017R	98	97	98	99	99	96	99	99	99	99	96	98	A
FI0022R	99	99	98	97	99	99	99	97	99	99	97	99	A
FR0003R	100	89	100	99	86	100	97	100	96	99	79	98	A
FR0005R	71	92	94	92	99	100	99	90	98	96	97	99	A
FR0008R	94	95	67	81	97	86	69	99	99	99	96	93	A
FR0009R	87	100	97	99	97	83	98	100	95	98	96	94	A
FR0010R	100	100	93	99	94	99	90	99	96	94	98	85	A
FR0011R	97	94	99	0	0	0	0	0	0	0	0	0	A
FR0012R	98	100	94	100	98	99	99	100	100	100	99	98	A
FR0013R	100	97	98	96	98	99	100	100	99	99	99	89	A
FR0014R	0	0	0	80	97	98	98	97	99	89	98	97	A
GB0002R	99	99	99	99	99	99	99	99	99	99	100	99	A
GB0006R	99	99	99	99	99	100	99	99	100	99	99	82	A
GB0013R	99	100	99	100	98	100	99	100	99	99	100	99	A
GB0014R	99	93	99	99	99	99	95	99	54	99	99	99	A
GB0015R	99	99	98	99	99	99	99	99	99	100	99	99	A
HU0002R	100	100	100	98	100	100	99	100	100	100	100	100	A
IE0002R	99	99	99	100	99	99	99	99	99	100	100	99	B
IE0003R	100	99	100	100	100	99	99	99	100	100	100	100	B
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100	B
IS0002R	100	100	100	100	100	100	100	100	100	100	100	100	A
IT0001R	100	57	100	36	72	30	46	0	100	99	100	100	D
IT0004R	100	100	100	100	100	100	0	100	100	0	100	100	A
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100	A
LV0010R	100	100	100	100	100	100	100	100	100	100	100	100	A
LV0016R	100	100	95	100	100	100	100	100	100	100	97	99	A
NL0009R	99	100	98	99	99	99	99	99	99	99	99	99	A
NO0001R	98	99	99	96	99	99	82	97	53	99	94	47	A
NO0008R	99	99	100	100	95	98	80	57	92	99	99	96	A
NO0015R	58	71	84	73	98	98	89	70	97	99	80	56	A
NO0039R	99	100	100	100	100	100	80	57	100	98	100	97	A
NO0041R	100	100	99	100	100	98	73	95	100	100	100	100	A
NO0055R	88	97	93	92	97	100	72	98	94	66	87	97	A
PL0002R	99	99	99	100	100	99	98	99	98	98	98	98	A
PL0003R	100	98	99	98	97	99	98	99	100	99	98	98	A
PL0004R	96	97	99	99	96	99	98	94	89	98	97	87	A
PL0005R	100	100	98	99	99	100	100	98	98	96	99	89	B
PT0001R	100	100	100	100	100	100	100	0	100	100	100	100	A
PT0003R	100	100	100	100	0	100	100	100	100	100	100	100	A
PT0004R	100	100	100	100	100	100	100	100	100	100	100	100	A

Table 3.24 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0013R	100	100	100	100	100	100	100	100	100	100	100	100	A
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100	A
SE0002R	100	100	99	100	100	100	100	100	99	100	100	99	A
SE0005R	100	100	100	100	100	100	100	100	100	100	100	100	A
SE0011R	100	100	100	100	100	100	100	100	100	100	100	100	A
SE0012R	100	100	100	100	100	100	100	100	100	100	100	100	A
SK0002R	76	83	70	91	90	98	98	91	99	95	94	90	A
SK0004R	89	78	63	85	87	95	86	94	98	91	91	75	A
SK0005R	87	86	59	95	86	96	89	79	93	92	89	65	A
SK0006R	88	86	89	82	96	99	95	98	98	96	89	84	A
TR0001R	100	100	100	99	100	100	100	100	100	0	0	0	A
YU0005R	100	100	99	98	100	96	99	97	99	97	99	93	A
YU0008R	91	98	92	99	99	97	99	100	99	99	97	98	A

Table 3.25: Monthly weighted averages of potassium in precipitation in 1998. (Unit: mg K/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	0.09	0.04	0.06	0.12	0.33	0.06	0.10	0.07	0.04	0.08	0.11	0.06	A
AT0004R	0.03	0.16	0.02	0.05	0.10	0.10	0.09	0.07	0.01	0.03	0.02	0.02	A
AT0005R	0.06	0.11	0.10	0.03	0.11	0.06	0.03	0.04	0.02	0.01	0.01	0.05	A
CH0002R	0.01	0.03	0.06	0.03	0.22	0.05	0.05	0.06	0.03	0.05	0.01	0.01	B
CH0003R	0.01	0.02	0.03	0.03	0.06	0.04	0.04	0.03	0.02	0.02	0.01	0.01	B
CH0004R	0.02	0.04	0.05	0.03	0.04	0.04	0.09	0.04	0.03	0.04	0.02	0.01	B
CH0005R	0.02	0.03	0.03	0.05	0.05	0.03	0.04	0.04	0.02	0.02	0.02	0.04	B
CZ0001R	0.05	0.02	0.06	0.06	0.12	0.14	0.46	1.05	0.04	0.10	0.02	0.03	B
CZ0003R	0.05	0.09	0.06	0.17	0.07	0.09	0.14	0.15	0.07	0.07	0.07	0.07	B
DE0001R	0.35	0.43	0.58	0.13	0.24	0.24	0.35	0.38	0.23	0.30	0.18	0.31	A
DE0002R	0.13	0.18	0.11	0.16	0.18	0.09	0.10	0.19	0.09	0.09	0.12	0.12	A
DE0003R	0.06	0.09	0.08	0.05	0.09	0.10	0.09	0.11	0.06	0.10	0.07	0.14	A
DE0004R	0.06	0.06	0.07	0.06	0.09	0.07	0.05	0.08	0.08	0.07	0.06	0.04	A
DE0005R	0.09	0.17	0.11	0.08	0.37	0.10	0.15	0.09	0.06	0.10	0.15	0.51	A
DE0007R	0.06	0.15	0.12	0.18	0.07	0.11	0.36	0.09	0.06	0.06	0.07	0.08	A
DE0008R	0.06	0.08	0.06	0.08	0.08	0.16	0.09	0.11	0.04	0.06	0.06	0.10	A
DE0009R	0.11	0.11	0.07	0.15	0.22	0.09	0.19	0.10	0.07	0.26	0.15	0.08	A
DK0003R	0.06	0.06	0.05	0.03	0.06	0.08	0.05	0.07	0.03	0.10	0.06	0.09	B
DK0005R	0.28	0.23	0.06	0.14	0.23	0.22	0.26	0.17	0.08	0.29	0.24	0.44	B
DK0008R	0.12	0.18	0.14	0.06	0.79	0.19	0.14	0.23	0.09	0.15	0.14	0.08	B
EE0009R	0.19	0.18	1.06	0.22	0.28	0.17	0.12	0.06	0.08	0.13	0.08	0.08	C
EE0011R	0.05	0.10	0.17	0.21	0.56	0.65	0.39	0.40	0.34	0.09	0.09	0.06	C
ES0001R	0.05	0.03	0.15	0.12	0.06	0.04	-	0.41	0.10	0.03	0.03	0.08	A
ES0003R	0.15	0.20	4.80	0.50	0.10	-	0.49	0.13	0.31	0.03	-	0.04	A
ES0004R	0.24	0.12	0.23	0.17	0.18	0.25	0.17	0.21	0.43	0.42	0.13	0.12	A
ES0005R	0.19	0.03	-	0.22	0.15	0.64	0.17	-	0.12	0.17	0.18	-	A
ES0006R	-	7.41	6.40	-	-	-	-	-	-	-	-	-	A
ES0007R	0.20	0.03	0.21	0.15	0.13	0.15	-	-	0.12	-	0.21	0.20	A
FI0004R	0.04	0.05	0.03	0.04	0.13	0.22	0.09	0.03	0.20	0.06	0.04	0.04	A
FI0009R	0.26	0.39	0.18	0.21	0.16	0.14	0.12	0.10	0.10	0.21	0.82	0.20	A
FI0017R	0.18	0.29	0.07	0.09	0.24	0.29	0.09	0.12	0.53	0.35	0.22	0.14	A
FI0022R	0.02	0.01	0.03	0.07	0.02	0.04	0.04	0.04	0.04	0.03	0.02	0.02	A
FR0003R	0.05	0.10	0.04	0.20	0.11	0.08	0.10	0.05	0.04	0.04	0.05	0.04	A
FR0005R	0.79	0.28	0.26	0.18	0.41	0.14	0.14	0.23	0.14	0.27	0.25	0.21	A
FR0008R	0.03	0.06	0.08	0.04	0.07	0.13	0.08	0.05	0.04	0.03	0.03	0.07	A
FR0009R	0.07	0.12	0.09	0.03	0.10	0.02	0.04	0.03	0.06	0.04	0.06	0.05	A
FR0010R	0.04	0.05	0.04	0.03	0.16	0.07	0.09	0.05	0.13	0.10	0.08	0.06	A
FR0011R	0.02	0.04	0.04	-	-	-	-	-	-	-	-	-	A
FR0012R	0.05	0.15	0.06	0.06	0.04	0.16	0.05	0.14	0.05	0.07	0.14	0.39	A
FR0013R	0.08	0.15	0.11	0.17	0.07	0.14	0.11	0.33	0.10	0.09	0.09	0.30	A
FR0014R	-	-	-	0.04	0.05	0.07	0.08	0.04	0.03	0.03	0.03	0.03	A
GB0002R	0.05	0.07	0.03	0.04	0.04	0.04	0.03	0.06	0.03	0.05	0.08	0.24	A
GB0006R	0.18	0.15	0.08	0.04	0.04	0.03	0.05	0.05	0.10	0.14	0.16	0.10	A
GB0013R	0.18	0.13	0.11	0.12	0.07	0.06	0.11	0.11	0.08	0.09	0.15	0.09	A
GB0014R	0.13	0.11	0.04	0.13	0.11	0.07	1.04	0.06	0.11	0.08	0.08	0.18	A
GB0015R	0.03	0.10	0.18	0.07	0.12	0.04	0.07	0.13	0.11	0.17	0.06	0.11	A
HU0002R	0.06	0.21	0.17	0.16	0.12	0.19	0.19	0.12	0.03	0.31	0.04	0.12	B

Table 3.25 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
IE0002R	0.44	0.13	0.06	0.04	0.04	0.03	0.04	0.04	0.04	0.18	0.18	0.10	B
IE0003R	0.13	0.15	0.07	0.05	0.14	0.04	0.05	0.10	0.07	0.13	0.23	0.25	B
IE0004R	0.06	0.08	0.11	0.02	0.04	0.02	0.02	0.02	0.07	0.15	0.04	0.09	B
IT0001R	0.19	0.24	0.33	0.37	0.37	1.10	0.87	2.02	0.11	0.13	0.38	0.19	B
IT0004R	0.12	0.10	0.17	0.09	0.07	0.09	0.10	0.10	0.06	0.04	0.08	0.04	A
LT0015R	0.43	0.50	0.42	0.10	0.32	0.21	0.20	0.31	0.10	0.21	0.12	0.27	A
LV0010R	0.14	0.10	0.21	0.06	0.10	0.08	0.07	0.06	0.06	0.08	0.05	0.03	A
LV0016R	0.48	0.53	0.44	0.74	0.19	0.07	0.29	0.07	0.12	0.10	0.49	0.11	A
NL0009R	0.25	0.17	0.12	0.08	0.14	0.34	0.14	0.20	0.23	0.30	0.15	0.25	B
NO0001R	0.06	0.21	0.09	0.06	0.08	0.05	0.04	0.04	0.10	0.07	0.13	0.18	A
NO0008R	0.18	0.32	0.24	0.17	0.20	0.18	0.20	0.17	0.12	0.17	0.17	0.14	A
NO0015R	0.12	0.11	0.24	0.09	0.09	0.06	0.08	0.07	0.07	0.06	0.11	0.13	A
NO0039R	0.05	0.10	0.15	0.02	0.08	0.05	0.02	0.04	0.04	0.03	0.03	0.16	A
NO0041R	0.10	0.03	0.05	0.07	0.57	0.12	0.05	0.09	0.08	0.05	0.12	0.16	A
NO0055R	0.22	0.09	0.31	0.29	0.27	0.11	0.14	0.13	0.14	0.15	0.20	0.23	A
PL0002R	0.08	0.26	0.15	0.10	0.05	0.07	0.09	0.08	0.06	0.06	0.06	0.08	A
PL0003R	0.13	0.20	0.12	0.52	0.17	0.38	0.12	0.15	0.07	0.07	0.09	0.08	A
PL0004R	0.06	0.12	0.12	0.06	0.23	0.08	0.07	0.09	0.11	0.09	0.04	0.07	A
PL0005R	0.12	0.11	0.17	0.45	0.30	0.12	0.33	0.18	0.11	0.14	0.15	0.12	B
PT0001R	0.42	0.04	0.08	0.15	-	-	-	0.85	0.14	-	0.04	0.10	D
PT0003R	0.13	1.12	-	0.19	0.10	-	0.22	-	0.07	0.04	0.44	0.10	D
PT0004R	0.13	-	-	0.19	0.07	-	-	-	0.23	-	-	0.31	D
RU0001R	0.28	0.30	0.41	0.69	0.59	0.25	0.27	0.15	0.19	0.47	1.62	0.69	D
RU0013R	0.26	0.27	0.22	0.21	0.27	0.31	0.21	0.28	0.31	0.16	0.33	0.25	D
RU0016R	0.60	0.62	0.72	0.42	0.57	0.54	0.43	0.21	0.18	0.31	0.53	0.30	D
SE0002R	0.07	0.15	0.12	0.12	0.08	0.10	0.17	0.12	0.10	0.20	0.12	0.11	B
SE0005R	0.05	0.03	0.02	0.05	0.02	0.16	0.10	0.11	0.15	0.10	0.13	0.10	B
SE0011R	0.23	0.10	0.18	0.09	0.21	0.08	0.17	0.21	0.13	0.17	0.20	0.15	B
SE0012R	0.13	0.04	0.09	0.09	0.07	0.08	0.14	0.13	0.12	0.12	0.19	0.13	B
SK0002R	0.45	0.24	0.16	0.18	0.21	0.19	0.18	0.12	0.08	0.19	0.20	0.41	D
SK0004R	0.08	0.53	0.14	0.13	0.14	0.21	0.23	0.35	0.14	0.17	0.13	0.10	D
SK0005R	0.28	0.24	0.24	0.27	0.28	0.10	0.12	0.09	0.05	0.12	0.39	0.19	D
SK0006R	0.22	0.27	0.16	0.40	0.12	0.28	0.23	0.17	0.12	0.17	0.18	0.28	D
TR0001R	0.14	0.21	0.24	0.19	0.14	0.25	-	-	-	-	-	-	A
YU0005R	0.42	0.78	0.40	0.95	0.75	0.34	0.20	0.12	0.18	0.34	0.24	0.31	A
YU0008R	0.23	0.09	0.34	0.21	0.20	0.92	1.82	0.30	0.17	0.09	0.31	0.12	A

Table 3.26: Potassium in precipitation 1998. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
AT0002R	90	98	99	95	100	100	100	100	100	100	99	100	A
AT0004R	97	100	100	99	100	99	99	99	99	98	99	97	A
AT0005R	98	100	100	99	99	83	99	98	99	99	100	88	A
CH0002R	97	98	100	98	100	98	99	99	99	99	99	35	B
CH0003R	99	94	98	98	98	91	99	99	89	96	99	92	B
CH0004R	99	98	98	97	97	99	95	99	100	98	97	99	B
CH0005R	96	97	98	98	97	99	99	99	99	97	98	61	B
CZ0001R	100	63	100	98	98	100	100	100	99	100	77	45	B
CZ0003R	95	97	94	94	95	98	97	94	98	96	99	96	B
DE0001R	99	96	96	98	96	98	99	98	98	91	99	98	A
DE0002R	42	87	52	98	96	99	95	94	77	85	97	76	A
DE0003R	72	68	54	84	98	99	99	99	52	44	90	98	A
DE0004R	79	100	99	97	99	100	100	99	91	85	98	98	A
DE0005R	99	95	98	97	99	99	99	99	100	99	100	98	A
DE0007R	98	94	96	99	98	97	98	97	96	99	93	98	A
DE0008R	50	97	68	97	90	80	99	49	96	81	66	78	A
DE0009R	34	43	83	83	48	68	37	47	98	9	86	71	A
DK0003R	96	96	89	94	99	97	99	98	92	99	86	99	B
DK0005R	97	92	92	98	96	98	79	98	98	98	98	93	B
DK0008R	99	100	100	99	100	100	99	100	100	100	100	99	B
EE0009R	100	84	93	93	98	100	100	100	93	97	97	97	C
EE0011R	100	100	100	100	86	100	93	100	100	100	100	100	C
ES0001R	82	85	98	92	100	100	100	89	91	100	100	97	A
ES0003R	98	85	78	93	97	0	100	94	90	100	0	100	A
ES0004R	95	100	95	96	96	97	94	100	100	100	100	70	A

Table 3.26 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QA
ES0005R	100	100	100	95	100	53	100	100	98	99	82	0	A
ES0006R	100	100	100	100	100	100	100	100	100	100	100	100	A
ES0007R	100	99	100	93	98	100	100	100	99	0	100	100	A
FI0004R	99	98	98	98	97	99	98	97	97	99	88	99	A
FI0009R	79	70	35	29	99	98	98	96	98	91	11	40	A
FI0017R	97	97	98	99	99	95	99	99	99	99	94	96	A
FI0022R	99	99	98	97	99	99	99	97	99	99	96	98	A
FR0003R	100	89	100	97	81	95	92	96	96	99	79	98	A
FR0005R	70	91	93	87	99	99	96	90	98	95	96	98	A
FR0008R	99	95	67	71	95	75	68	99	99	97	96	92	A
FR0009R	96	89	93	97	96	82	95	100	95	98	95	92	A
FR0010R	99	95	92	96	91	96	90	78	96	94	98	83	A
FR0011R	97	94	98	0	0	0	0	0	0	0	0	0	A
FR0012R	92	86	88	99	96	98	99	90	100	100	89	94	A
FR0013R	100	97	97	96	97	99	97	100	98	98	98	89	A
FR0014R	0	0	0	79	96	97	98	97	99	89	98	91	A
GB0002R	99	99	99	99	99	99	99	99	99	99	100	99	A
GB0006R	99	99	99	99	99	100	99	99	100	99	99	82	A
GB0013R	99	100	99	100	98	100	99	100	99	82	100	99	A
GB0014R	99	93	99	99	99	99	95	99	54	99	99	99	A
GB0015R	99	99	98	99	99	99	99	99	99	100	99	99	A
HU0002R	100	100	100	100	100	100	99	100	100	100	100	100	B
IE0002R	100	100	100	100	100	100	100	100	100	100	90	98	B
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100	B
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100	B
IT0001R	100	57	100	36	72	30	46	0	100	99	100	100	B
IT0004R	100	100	100	100	100	100	0	100	100	0	100	100	A
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100	A
LV0010R	100	100	100	98	100	100	36	57	97	100	62	73	A
LV0016R	82	91	59	91	97	99	47	46	85	94	62	96	A
NL0009R	95	85	91	98	92	96	98	94	96	96	99	98	B
NO0001R	97	96	97	95	97	99	81	96	97	99	94	97	A
NO0008R	99	99	98	97	97	97	72	98	90	99	79	96	A
NO0015R	58	71	80	72	94	95	77	95	98	99	89	56	A
NO0039R	98	99	99	91	98	98	81	96	98	100	95	97	A
NO0041R	97	94	99	98	96	95	94	94	99	98	65	100	A
NO0055R	76	85	83	82	93	96	67	91	93	86	50	59	A
PL0002R	99	99	99	100	100	99	90	99	98	98	98	98	A
PL0003R	100	98	99	98	98	99	98	99	100	99	98	98	A
PL0004R	96	97	99	98	82	99	98	94	89	98	97	87	A
PL0005R	98	98	71	98	99	99	99	99	95	100	99	98	B
PT0001R	100	100	100	100	100	100	100	0	100	100	100	100	D
PT0003R	100	100	100	100	100	100	100	100	100	100	100	100	D
PT0004R	100	100	100	100	100	100	100	100	100	100	100	100	D
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100	D
RU0013R	100	100	100	100	100	100	100	100	100	100	100	100	D
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100	D
SE0002R	99	99	99	99	98	100	98	99	99	100	100	99	B
SE0005R	100	99	100	100	91	100	100	99	100	99	100	100	B
SE0011R	100	100	100	99	100	100	100	100	100	100	100	100	B
SE0012R	100	100	100	100	100	99	100	100	100	100	100	100	B
SK0002R	76	83	70	91	90	98	98	91	99	95	94	90	D
SK0004R	89	78	63	85	87	95	86	94	98	91	91	75	D
SK0005R	87	86	59	95	86	96	89	79	93	92	89	65	D
SK0006R	88	86	89	82	96	99	95	98	98	96	89	84	D
TR0001R	96	100	98	99	100	100	100	100	100	0	0	0	A
YU0005R	97	100	94	98	100	93	99	97	99	96	99	90	A
YU0008R	91	98	89	99	98	97	99	100	99	99	97	98	A

Annex 4

Seasonal summaries of gases and aerosols

AT0002R ILLMITZ AUSTRIA

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.99	2.34	3.32	1.91	0.92	1.02	3.71	7.66	11.97	58.9	0	53	D	
SO4--	1.19	1.17	0.74	2.84	0.07	0.09	0.73	3.57	5.56	87.8	0	79	A	
SO2	4.93	3.97	3.90	1.93	1.38	1.52	3.46	11.19	22.28	74.4	0	67	D	

AT0002R ILLMITZ AUSTRIA

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.23	0.93	2.01	1.62	0.66	0.74	2.15	3.88	4.70	81.5	0	75	D	
SO4--	0.81	0.61	0.60	2.26	0.09	0.11	0.69	2.15	2.71	90.2	0	83	A	
SO2	2.68	1.64	2.35	1.63	1.18	1.27	2.07	5.89	10.93	100.0	0	92	D	

AT0002R ILLMITZ AUSTRIA

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.51	0.75	3.41	1.31	0.81	1.93	3.60	4.51	5.17	100.0	0	92	D	
SO4--	0.69	0.51	0.54	2.06	0.08	0.16	0.52	1.73	2.70	98.9	0	91	A	
SO2	1.57	0.50	1.51	1.32	0.94	1.06	1.46	2.48	3.79	100.0	0	92	D	

AT0002R ILLMITZ AUSTRIA

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.95	2.57	3.53	1.56	0.87	1.73	3.52	6.39	20.76	85.7	0	78	D	
SO4--	1.18	1.18	0.76	2.61	0.06	0.15	0.70	3.34	6.12	100.0	0	91	A	
SO2	2.81	2.63	2.24	1.80	1.02	1.13	1.97	9.59	15.81	87.9	0	80	D	

AT0004R ST. KOLOMAN AUSTRIA

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.15	1.02	0.78	2.53	0.10	0.18	0.80	3.36	3.89	48.9	0	44	D	
SO2	0.50	0.50	0.34	2.38	0.09	0.10	0.32	1.66	2.10	46.7	0	42	D	

AT0004R ST. KOLOMAN AUSTRIA

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.82	0.49	0.71	1.71	0.23	0.30	0.68	1.53	2.92	46.7	0	43	D	
SO2	0.67	0.58	0.50	2.10	0.17	0.17	0.41	1.59	2.74	38.0	0	35	D	

AT0004R ST. KOLOMAN AUSTRIA

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.75	0.57	0.62	1.81	0.22	0.25	0.52	1.65	3.12	35.9	0	33	D	
SO2	0.41	0.21	0.36	1.77	0.08	0.10	0.37	0.84	0.87	39.1	0	36	D	

AT0004R ST. KOLOMAN AUSTRIA

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.26	1.64	0.90	2.12	0.16	0.30	0.83	2.63	12.48	67.0	0	61	D	
SO2	0.46	0.65	0.31	2.21	0.07	0.09	0.28	1.03	3.95	54.9	0	50	D	

AT0005R VORHEGG AUSTRIA

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.31	1.50	0.86	2.33	0.34	0.34	0.60	4.76	4.85	22.2	0	20	D	
SO2	1.04	1.59	0.59	2.60	0.18	0.18	0.46	3.82	6.45	18.9	0	17	D	

AT0005R VORHEGG AUSTRIA

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.73	0.38	0.65	1.63	0.25	0.26	0.65	1.59	1.83	48.9	0	45	D	
SO2	1.27	1.19	0.92	2.17	0.28	0.33	0.74	4.10	5.41	44.6	0	41	D	

AT0005R VORHEGG AUSTRIA

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.47	0.10	0.46	1.25	0.25	0.29	0.47	0.66	0.76	44.6	0	41	D	
SO2	0.48	0.17	0.46	1.37	0.29	0.30	0.43	0.81	1.04	42.4	0	39	D	

AT0005R VORHEGG AUSTRIA

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.77	0.55	0.65	1.75	0.25	0.26	0.58	1.88	2.86	48.4	0	44	D	
SO2	0.57	0.50	0.47	1.75	0.25	0.25	0.38	1.34	2.93	45.1	0	41	D	

CH0001G JUNGFRAUJOCH SWITZERLAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.18	0.26	0.11	2.50	0.02	0.03	0.10	0.72	1.54	86.7	0	78	A	
SO4--	0.05	0.04	0.04	2.07	0.02	0.02	0.02	0.14	0.21	97.8	24	88	A	
SO2	0.14	0.18	0.09	2.31	0.01	0.03	0.08	0.47	1.08	97.8	1	88	D	
SPM	1.6	1.8	1.2	2.2	0.5	0.5	1.2	4.9	10.5	92.2	12	83		

CH0001G JUNGFRAUJOCH SWITZERLAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.13	0.16	0.07	2.82	0.01	0.01	0.06	0.40	0.81	88.0	0	81	A	
SO4--	0.17	0.17	0.11	2.88	0.02	0.02	0.13	0.54	0.81	100.0	18	92	A	
SO2	0.11	0.09	0.09	1.92	0.02	0.03	0.08	0.26	0.62	100.0	0	92	D	
SPM	4.3	4.1	3.1	2.2	0.5	1.1	2.7	11.3	22.8	84.8	2	78		

CH0001G JUNGFRAUJOCH SWITZERLAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.05	0.02	0.05	1.49	0.02	0.02	0.05	0.09	0.12	62.0	0	57	A	
SO4--	0.23	0.25	0.14	2.84	0.02	0.02	0.13	0.76	1.02	92.4	7	85	A	
SO2	0.08	0.05	0.07	1.77	0.01	0.03	0.07	0.17	0.34	92.4	1	85	D	
SPM	6.5	5.0	5.0	2.1	1.3	1.5	4.1	17.1	19.4	96.7	0	89		

CH0001G JUNGFRAUJOCH SWITZERLAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.10	0.13	0.06	2.54	0.01	0.01	0.07	0.37	0.82	78.0	0	71	A	
SO4--	0.10	0.15	0.06	2.62	0.02	0.02	0.06	0.29	1.08	79.1	24	72	A	
SO2	0.12	0.22	0.05	3.07	0.01	0.01	0.04	0.44	1.16	84.6	10	77	D	
SPM	3.3	10.4	1.5	2.5	0.5	0.5	1.3	4.8	70.6	97.8	20	89		

CH0002R PAYERNE SWITZERLAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	7.06	3.01	6.30	1.68	1.26	2.15	6.98	12.00	14.46	94.4	0	85	C	
SO4--	0.89	0.63	0.66	2.32	0.10	0.15	0.69	2.07	2.39	98.9	0	89	A	
SO2	1.33	0.70	1.14	1.80	0.29	0.35	1.17	2.40	3.58	100.0	0	90	D	
NH3+NH4+	3.97	2.58	3.04	2.25	0.44	0.52	3.39	8.31	10.97	97.8	0	88	A	
HNO3+NO3	1.78	1.60	1.15	2.79	0.09	0.16	1.22	4.56	7.90	97.8	0	88	A	
SPM	33.4	21.5	26.2	2.1	4.9	7.5	29.4	71.0	101.8	96.7	0	87		

CH0002R PAYERNE SWITZERLAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	4.64	1.86	4.28	1.50	1.50	1.99	4.20	8.47	10.04	98.9	0	91	C	
SO4--	0.79	0.48	0.64	2.03	0.13	0.17	0.73	1.66	2.12	97.8	0	90	A	
SO2	0.86	0.50	0.71	1.94	0.13	0.19	0.76	1.76	2.17	98.9	0	91	D	
NH3+NH4+	3.99	2.66	3.28	1.92	0.50	0.92	3.67	8.14	20.06	98.9	0	91	A	
HNO3+NO3	0.96	0.70	0.75	2.08	0.16	0.20	0.82	2.52	3.18	97.8	0	90	A	
SPM	19.8	10.9	17.0	1.8	4.4	6.0	18.3	42.2	52.5	100.0	0	92		

CH0002R PAYERNE SWITZERLAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.41	0.94	3.28	1.34	1.45	1.91	3.24	4.86	5.76	94.6	0	87	C	
SO4--	0.71	0.41	0.60	1.87	0.09	0.19	0.64	1.50	1.87	96.7	0	89	A	
SO2	0.48	0.24	0.42	1.76	0.05	0.16	0.48	0.89	1.31	100.0	0	92	D	
NH3+NH4+	3.90	1.42	3.68	1.40	1.76	2.05	3.61	5.79	11.50	100.0	0	92	A	
HNO3+NO3	0.57	0.27	0.51	1.63	0.15	0.19	0.55	1.00	1.57	98.9	0	91	A	
SPM	17.7	7.5	16.1	1.6	5.1	6.7	17.2	29.7	40.3	97.8	0	90		

CH0002R PAYERNE SWITZERLAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	5.51	3.02	4.81	1.69	1.44	1.96	5.05	10.94	16.61	98.9	0	90	C	
SO4--	0.68	0.63	0.50	2.16	0.11	0.16	0.45	1.92	3.02	100.0	0	91	A	
SO2	0.74	0.51	0.58	2.11	0.10	0.15	0.67	1.60	2.56	98.9	0	90	D	
NH3+NH4+	3.85	3.49	2.96	2.02	0.68	0.86	2.80	9.00	23.01	100.0	0	91	A	
HNO3+NO3	1.01	1.02	0.66	2.57	0.09	0.13	0.63	3.47	4.66	100.0	0	91	A	
SPM	21.2	17.2	16.4	2.0	2.9	4.8	16.5	57.1	97.6	100.0	0	91		

CH0003R TANIKON SWITZERLAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	7.04	3.25	6.26	1.67	1.93	2.35	6.57	12.56	16.12	98.9	0	89	C	
SO2	1.56	0.66	1.42	1.55	0.62	0.73	1.50	2.72	3.50	91.1	0	82	D	
SPM	27.6	18.3	21.5	2.1	4.0	5.1	26.5	58.1	84.0	91.1	0	82		

CH0003R TANIKON SWITZERLAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	4.14	1.55	3.89	1.42	1.90	2.26	3.88	6.74	10.41	98.9	0	91	C	
SO2	0.90	0.44	0.81	1.55	0.33	0.42	0.77	1.73	2.56	96.7	0	89	D	
SPM	18.6	10.0	15.7	1.9	2.1	5.4	18.1	35.8	45.0	97.8	0	90		

CH0003R TANIKON SWITZERLAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.82	0.98	2.64	1.46	0.98	1.33	2.73	4.40	5.10	98.9	0	91	C	
SO2	0.54	0.19	0.51	1.44	0.17	0.25	0.55	0.83	1.23	100.0	0	92	D	
SPM	16.2	6.5	14.9	1.5	5.3	6.6	15.7	26.4	34.7	100.0	0	92		

CH0003R TANIKON SWITZERLAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	4.68	2.67	4.09	1.68	1.36	1.79	4.45	8.92	16.06	100.0	0	91	C	
SO2	0.81	0.56	0.66	1.87	0.17	0.24	0.64	1.69	3.83	100.0	0	91	D	
SPM	18.9	16.6	14.6	2.0	4.7	5.1	15.1	43.3	92.6	90.1	0	82		

CH0004R CHAUMONT SWITZERLAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.56	1.23	2.30	1.59	0.88	1.09	2.32	4.86	6.99	92.2	0	83	C	
SO2	0.88	0.71	0.59	2.76	0.06	0.09	0.67	2.08	3.23	92.2	0	83	D	
SPM	8.8	5.8	7.2	1.9	1.5	2.9	7.2	20.7	29.2	87.8	0	79		

CH0004R CHAUMONT SWITZERLAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.23	0.69	2.13	1.34	1.17	1.37	2.03	3.62	4.46	100.0	0	92	C	
SO2	0.73	0.63	0.50	2.54	0.06	0.09	0.59	1.85	3.66	97.8	0	90	D	
SPM	13.1	7.1	11.5	1.7	3.5	4.9	10.8	28.1	38.6	89.1	0	82		

CH0004R CHAUMONT SWITZERLAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.12	0.54	2.05	1.28	1.10	1.30	2.07	3.01	3.93	95.7	0	88	C	
SO2	0.51	0.49	0.33	2.74	0.02	0.06	0.37	1.30	3.51	100.0	0	92	D	
SPM	13.3	6.1	12.0	1.6	3.5	5.1	12.6	24.4	34.7	98.9	0	91		

CH0004R CHAUMONT SWITZERLAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.16	0.97	1.96	1.58	0.80	0.83	2.02	3.85	5.76	97.8	0	89	C	
SO2	0.49	0.53	0.25	3.62	0.01	0.03	0.31	1.73	2.32	100.0	0	91	D	
SPM	7.9	4.9	6.7	1.8	1.1	2.4	6.5	18.1	27.8	97.8	0	89		

CH0005R RIGI SWITZERLAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.71	2.02	2.10	2.07	0.45	0.75	1.93	6.42	10.08	100.0	0	90	C	
SO4--	0.38	0.35	0.24	2.78	0.04	0.05	0.22	1.00	1.54	100.0	0	90	A	
SO2	0.62	0.52	0.42	2.53	0.06	0.10	0.40	1.60	2.18	100.0	0	90	D	
SPM	10.7	8.4	8.0	2.2	2.2	2.5	7.4	26.1	40.0	98.9	0	89		

CH0005R RIGI SWITZERLAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.58	0.94	2.42	1.43	1.07	1.34	2.39	4.20	5.63	100.0	0	92	C	
SO4--	0.69	0.43	0.54	2.12	0.08	0.17	0.60	1.47	1.62	84.8	0	78	A	
SO2	0.52	0.40	0.41	1.99	0.07	0.11	0.41	1.23	2.35	100.0	0	92	D	
SPM	14.4	8.2	12.1	1.8	4.0	4.2	12.5	28.8	35.1	100.0	0	92		

CH0005R RIGI SWITZERLAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.06	0.62	1.98	1.33	0.96	1.18	2.00	3.04	4.87	100.0	0	92	C	
SO4--	0.64	0.37	0.53	1.90	0.11	0.16	0.59	1.30	1.90	98.9	0	91	A	
SO2	0.33	0.18	0.28	1.82	0.06	0.09	0.28	0.71	0.91	100.0	0	92	D	
SPM	15.2	7.3	13.3	1.7	3.2	4.5	14.3	28.1	31.9	98.9	0	91		

CH0005R RIGI SWITZERLAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.30	1.39	1.97	1.75	0.51	0.84	2.00	4.77	8.08	100.0	0	91	C	
SO4--	0.42	0.32	0.32	2.13	0.07	0.09	0.33	1.12	1.40	98.9	0	90	A	
SO2	0.37	0.37	0.27	2.12	0.06	0.09	0.25	1.22	2.16	100.0	0	91	D	
SPM	9.6	7.1	7.6	2.0	2.1	2.5	7.9	21.2	41.5	100.0	0	91		

CZ0001R SVRATOUCH CZECH REPUBLIC

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	1.95	0.71	1.84	1.45	0.00	0.58	1.93	2.72	4.03	65.6	1	59	D	
NH4+	1.87	1.39	1.41	2.18	0.23	0.31	1.40	5.05	5.12	65.6	0	59	D	
NO3-	1.42	0.81	1.27	1.56	0.50	0.68	1.20	3.03	4.83	65.6	0	59	D	
HNO3	2.11	1.49	1.54	2.47	0.07	0.24	1.80	4.96	5.98	65.6	0	59	D	
NO2	1.52	0.87	1.27	1.88	0.20	0.40	1.20	3.10	3.40	60.0	0	54	C	
SO4--	1.32	0.67	1.17	1.63	0.53	0.57	1.07	2.64	3.14	65.6	0	59	B	
SO2	4.59	3.24	3.62	2.07	0.50	1.00	4.00	9.62	16.00	65.6	0	59	B	

CZ0001R SVRATOUCH CZECH REPUBLIC

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	1.73	0.50	1.65	1.37	0.66	0.87	1.73	2.63	3.29	100.0	0	92	D	
NH4+	0.91	0.35	0.85	1.45	0.31	0.44	0.85	1.58	2.25	100.0	0	92	D	
NO3-	0.62	0.25	0.56	1.54	0.23	0.27	0.63	1.02	1.20	100.0	0	92	D	
HNO3	1.57	0.38	1.52	1.29	0.78	0.93	1.53	2.29	2.56	100.0	0	92	D	
NO2	1.44	0.75	1.23	1.83	0.20	0.40	1.30	2.70	3.30	93.5	0	86	C	
SO4--	1.26	0.54	1.15	1.52	0.50	0.57	1.09	2.23	3.24	98.9	0	91	B	
SO2	2.01	1.25	1.62	2.01	0.50	0.50	2.00	4.00	6.00	98.9	0	91	B	

CZ0001R SVRATOUCH CZECH REPUBLIC

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	4.44	2.64	3.83	1.70	1.56	1.85	3.33	9.74	14.56	98.9	0	91	D	
NH4+	1.95	0.92	1.73	1.66	0.54	0.70	1.71	3.73	4.19	93.5	0	86	D	
NO3-	0.73	0.30	0.67	1.53	0.27	0.33	0.70	1.27	1.72	93.5	0	86	D	
HNO3	1.80	0.51	1.73	1.34	0.69	0.98	1.76	2.72	3.27	100.0	0	92	D	
NO2	1.38	0.56	1.27	1.51	0.50	0.60	1.30	2.50	3.30	100.0	0	92	C	
SO4--	1.38	0.74	1.23	1.59	0.53	0.57	1.13	2.59	4.91	100.0	0	92	B	
SO2	1.81	1.24	1.48	1.91	0.50	0.50	1.50	3.70	7.50	100.0	0	92	B	

CZ0001R SVRATOUCH CZECH REPUBLIC

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	2.38	1.14	2.13	1.62	0.49	0.77	2.14	4.69	6.33	95.6	0	87	D	
NH4+	1.37	0.85	1.17	1.73	0.47	0.54	1.01	3.16	4.27	91.2	0	83	D	
NO3-	0.77	0.45	0.67	1.69	0.11	0.26	0.64	1.76	2.53	91.2	0	83	D	
HNO3	1.71	0.59	1.62	1.40	0.80	0.95	1.61	2.76	3.73	100.0	0	91	D	
NO2	1.36	0.76	1.13	2.10	0.10	0.10	1.20	2.30	4.80	79.1	0	72	C	
SO4--	1.44	1.61	0.81	3.05	0.13	0.13	0.80	4.67	8.58	100.0	0	91	B	
SO2	2.20	2.36	1.38	2.59	0.50	0.50	1.00	7.00	13.00	100.0	0	91	B	

CZ0003R KOSETICE CZECH REPUBLIC

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	1.49	0.59	1.37	1.55	0.49	0.58	1.44	2.47	2.96	65.6	0	59	D	
NH4+	1.39	1.15	1.05	2.11	0.23	0.31	0.93	3.55	5.20	65.6	0	59	D	
NO3-	0.87	0.52	0.74	1.81	0.16	0.27	0.77	1.91	2.39	65.6	0	59	D	
HNO3	1.90	1.13	1.59	1.84	0.60	0.64	1.43	4.09	4.62	65.6	0	59	D	
NO2	2.84	1.19	2.58	1.59	0.50	1.20	2.60	5.00	5.50	65.6	0	59	C	
SO4--	1.14	0.60	1.00	1.66	0.37	0.47	0.99	2.21	2.90	65.6	0	59	B	
SO2	3.51	2.90	2.74	1.96	1.00	1.00	2.50	9.10	13.50	65.6	0	59	B	

CZ0003R KOSETICE CZECH REPUBLIC

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	1.86	0.56	1.78	1.36	0.82	0.95	1.81	2.80	3.78	100.0	0	92	D	
NH4+	1.14	0.65	0.98	1.75	0.31	0.39	1.01	2.36	3.42	100.0	0	92	D	
NO3-	0.64	0.21	0.62	1.36	0.27	0.36	0.61	0.94	1.58	100.0	0	92	D	
HNO3	0.91	0.42	0.82	1.64	0.13	0.35	0.83	1.56	2.78	98.9	0	91	D	
NO2	1.64	0.67	1.52	1.48	0.60	0.81	1.50	3.17	3.70	90.2	0	83	C	
SO4--	1.52	0.83	1.33	1.68	0.43	0.59	1.30	3.17	4.71	98.9	0	91	B	
SO2	2.66	1.77	2.08	2.10	0.50	0.50	2.00	5.72	7.50	98.9	0	91	B	

CZ0003R KOSETICE CZECH REPUBLIC

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	2.08	0.86	1.92	1.49	0.74	1.04	1.89	3.73	4.77	100.0	0	92	D	
NH4+	1.29	0.60	1.15	1.64	0.39	0.47	1.16	2.41	2.56	100.0	0	92	D	
NO3-	0.43	0.13	0.41	1.43	0.11	0.18	0.43	0.67	0.75	100.0	0	92	D	
HNO3	1.34	0.70	1.17	1.73	0.22	0.42	1.31	2.17	4.00	97.8	0	90	D	
NO2	2.32	1.36	1.99	1.74	0.60	0.90	1.80	4.39	8.00	98.9	0	91	C	
SO4--	1.31	0.56	1.19	1.57	0.33	0.54	1.27	2.34	2.80	100.0	0	92	B	
SO2	1.98	0.98	1.73	1.73	0.50	0.50	2.00	3.70	5.00	100.0	0	92	B	

CZ0003R KOSETICE CZECH REPUBLIC

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	1.99	0.63	1.88	1.42	0.74	0.90	1.97	3.04	3.54	100.0	0	91	D	
NH4+	1.46	0.86	1.22	1.84	0.31	0.39	1.24	3.03	3.65	100.0	0	91	D	
NO3-	0.48	0.18	0.44	1.46	0.09	0.25	0.45	0.74	1.33	100.0	0	91	D	
HNO3	1.32	0.60	1.19	1.60	0.44	0.59	1.27	2.29	2.87	100.0	0	91	D	
NO2	1.88	0.69	1.75	1.48	0.50	0.94	1.80	3.06	4.10	97.8	0	89	C	
SO4--	1.49	0.89	1.26	1.79	0.40	0.50	1.13	3.37	3.70	97.8	0	89	B	
SO2	2.47	2.41	1.72	2.29	0.50	0.50	1.50	8.00	12.50	97.8	0	89	B	

DE0001R WESTERLAND GERMANY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.72	2.59	2.98	1.98	0.69	1.02	3.03	8.52	13.38	100.0	0	90	D	
SO4--	1.03	0.53	0.90	1.70	0.20	0.40	0.90	2.00	2.70	100.0	0	90	B	
SO2	1.10	1.08	0.78	2.32	0.10	0.15	0.80	2.86	6.35	98.9	0	89	C	
SPM	24.5	12.5	21.6	1.7	7.0	9.5	22.0	50.5	62.0	100.0	0	90		

DE0001R WESTERLAND GERMANY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.95	1.11	1.71	1.66	0.75	0.78	1.65	3.97	6.15	100.0	0	92	D	
SO4--	0.87	0.38	0.80	1.55	0.30	0.36	0.80	1.60	2.00	100.0	0	92	B	
SO2	0.56	0.53	0.34	3.02	0.05	0.05	0.40	1.82	2.55	98.9	0	91	C	
SPM	22.7	9.5	20.8	1.5	6.0	9.5	21.0	41.0	50.0	97.8	0	90		

DE0001R WESTERLAND GERMANY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.09	0.48	1.00	1.49	0.51	0.60	0.96	2.09	2.64	96.7	0	89	D	
SO4--	0.77	0.31	0.72	1.48	0.30	0.34	0.75	1.40	1.60	96.7	0	89	B	
SO2	0.35	0.28	0.26	2.29	0.05	0.05	0.25	0.85	1.60	96.7	0	89	C	
SPM	19.3	8.0	17.9	1.5	7.0	10.0	18.0	34.2	50.0	96.7	0	89		

DE0001R WESTERLAND GERMANY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.94	2.82	2.12	2.19	0.51	0.60	1.92	9.18	14.37	100.0	0	91	D	
SO4--	1.01	0.91	0.74	2.14	0.20	0.20	0.70	3.35	3.80	100.0	0	91	B	
SO2	0.52	0.71	0.25	3.41	0.05	0.05	0.25	1.77	3.75	100.0	0	91	C	
SPM	24.1	20.0	19.2	1.9	5.0	6.8	17.0	62.6	119.0	96.7	0	88		

DE0002R LANGENBRUGGE GERMANY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	4.16	2.79	3.27	2.13	0.15	0.95	3.42	8.79	13.26	98.9	1	89	D	
SO4--	0.86	0.65	0.66	2.08	0.20	0.20	0.70	2.20	3.00	100.0	0	90	B	
SO2	1.73	2.15	0.95	2.98	0.10	0.20	0.75	5.63	10.75	97.8	0	88	C	
SPM	23.5	16.6	18.6	2.0	4.0	6.0	18.5	55.7	82.0	96.7	0	87		

DE0002R LANGENBRUGGE GERMANY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.91	0.86	1.75	1.49	0.84	0.96	1.71	3.19	5.55	100.0	0	92	D	
SO4--	0.77	0.51	0.63	1.91	0.20	0.20	0.60	1.74	2.40	100.0	0	92	B	
SO2	0.73	1.03	0.39	2.99	0.05	0.05	0.40	2.55	7.15	96.7	0	89	C	
SPM	23.8	19.4	19.2	1.9	5.0	6.6	19.5	45.3	155.0	98.9	0	91		

DE0002R LANGENBRUGGE GERMANY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.66	0.63	1.55	1.44	0.75	0.84	1.47	2.91	3.51	97.8	0	90	D	
SO4--	0.65	0.33	0.58	1.65	0.20	0.20	0.60	1.14	2.10	100.0	0	92	B	
SO2	0.35	0.40	0.22	2.60	0.05	0.05	0.20	1.20	2.20	94.6	0	87	C	
SPM	15.2	7.3	13.8	1.6	4.0	6.2	14.0	28.0	51.0	91.3	0	84		

DE0002R LANGENBRUGGE GERMANY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.87	1.86	2.42	1.77	0.84	1.10	2.19	6.81	9.18	98.9	0	90	D	
SO4--	0.85	0.77	0.62	2.14	0.20	0.20	0.55	2.85	4.00	100.0	0	91	B	
SO2	0.98	1.34	0.57	2.79	0.05	0.10	0.55	3.05	8.90	97.8	0	89	C	
SPM	18.2	12.1	15.1	1.8	3.0	6.0	15.0	41.1	70.0	97.8	0	89		

DE0003R SCHAUINSLAND GERMANY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.29	0.90	1.10	1.69	0.42	0.60	0.96	3.11	5.25	100.0	0	90	D	
SO4--	0.32	0.19	0.28	1.59	0.20	0.20	0.20	0.75	1.10	100.0	0	90	B	
SO2	0.27	0.46	0.11	3.31	0.05	0.05	0.05	1.25	2.55	100.0	0	90	C	
SPM	6.6	5.4	4.6	2.6	0.5	0.5	5.0	19.0	28.0	97.8	4	88		

DE0003R SCHAUINSLAND GERMANY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.21	0.42	1.15	1.33	0.72	0.80	1.11	1.86	3.90	98.9	0	91	D	
SO4--	0.48	0.31	0.40	1.90	0.10	0.16	0.40	1.10	1.60	100.0	0	92	B	
SO2	0.21	0.39	0.10	2.94	0.05	0.05	0.05	0.97	2.60	100.0	0	92	C	
SPM	15.0	9.6	12.0	2.1	0.5	4.0	13.0	31.0	45.0	92.4	1	85		

DE0003R SCHAUINSLAND GERMANY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.06	0.23	1.04	1.24	0.57	0.72	1.05	1.44	1.86	98.9	0	91	D	
SO4--	0.50	0.27	0.44	1.70	0.20	0.20	0.40	1.00	1.40	100.0	0	92	B	
SO2	0.06	0.05	0.06	1.46	0.05	0.05	0.05	0.15	0.40	100.0	0	92	C	
SPM	14.7	8.3	12.2	1.9	2.0	3.3	14.0	29.0	41.0	94.6	0	87		

DE0003R SCHAUINSLAND GERMANY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.03	0.36	0.99	1.35	0.60	0.68	0.90	1.71	2.43	100.0	0	91	D	
SO4--	0.57	0.39	0.47	1.86	0.20	0.20	0.50	1.20	2.30	100.0	0	91	B	
SO2	0.17	0.30	0.09	2.67	0.05	0.05	0.05	0.88	1.40	100.0	0	91	C	
SPM	6.7	5.1	5.2	2.1	0.5	2.0	5.0	17.3	30.0	95.6	2	87		

DE0004R DEUSELBACH GERMANY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.97	1.53	2.60	1.70	0.87	1.00	2.61	6.03	6.81	100.0	0	90	D	
SO4--	0.65	0.41	0.54	1.84	0.20	0.20	0.50	1.25	2.40	100.0	0	90	B	
SO2	2.02	2.37	1.05	3.63	0.05	0.08	1.20	5.62	14.25	100.0	0	90	C	
SPM	18.2	11.3	14.9	1.9	3.0	5.0	16.0	39.5	59.0	100.0	0	90		

DE0004R DEUSELBACH GERMANY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.89	0.64	1.79	1.36	1.02	1.11	1.71	3.21	3.87	100.0	0	92	D	
SO4--	0.66	0.41	0.56	1.75	0.20	0.20	0.60	1.70	2.10	100.0	0	92	B	
SO2	0.86	0.91	0.51	3.02	0.05	0.05	0.55	2.68	5.15	100.0	0	92	C	
SPM	19.6	12.7	16.2	1.9	3.0	5.0	16.0	45.2	73.0	100.0	0	92		

DE0004R DEUSELBACH GERMANY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.57	0.37	1.52	1.29	0.42	1.01	1.53	2.16	2.67	100.0	0	92	D	
SO4--	0.58	0.27	0.53	1.56	0.20	0.26	0.50	1.04	1.60	100.0	0	92	B	
SO2	0.42	0.39	0.25	3.04	0.05	0.05	0.30	1.15	1.70	100.0	0	92	C	
SPM	18.6	8.7	16.7	1.6	6.0	7.0	16.0	34.9	49.0	98.9	0	91		

DE0004R DEUSELBACH GERMANY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.42	1.28	2.18	1.54	0.93	1.20	2.13	4.68	8.40	100.0	0	91	D	
SO4--	0.51	0.41	0.41	1.85	0.20	0.20	0.40	1.29	2.40	100.0	0	91	B	
SO2	0.91	1.24	0.49	3.29	0.05	0.05	0.57	2.87	9.15	100.0	0	91	C	
SPM	14.7	10.8	12.1	1.9	2.0	4.0	11.5	40.2	57.0	100.0	0	91		

DE0005R BROTJACKLRIEGEL GERMANY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.32	1.34	2.01	1.70	0.63	0.86	1.80	4.91	7.08	100.0	0	90	D	
SO4--	0.61	0.44	0.47	2.05	0.20	0.20	0.50	1.45	2.20	100.0	0	90	B	
SO2	1.35	1.53	0.64	3.94	0.05	0.05	0.75	4.30	7.25	100.0	0	90	C	
SPM	11.1	8.2	8.2	2.4	0.5	1.8	9.0	26.0	39.0	100.0	2	90		

DE0005R BROTJACKLRIEGEL GERMANY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.54	0.57	1.46	1.36	0.72	0.98	1.35	2.38	4.92	100.0	0	92	D	
SO4--	0.75	0.48	0.62	2.01	-0.10	0.20	0.70	1.80	2.20	100.0	1	92	B	
SO2	0.63	1.00	0.23	4.20	0.05	0.05	0.20	2.54	5.15	100.0	0	92	C	
SPM	15.2	10.7	11.7	2.3	0.5	2.6	12.0	35.8	60.0	100.0	2	92		

DE0005R BROTJACKLRIEGEL GERMANY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.43	0.40	1.38	1.30	0.81	0.87	1.38	2.21	2.79	100.0	0	92	D	
SO4--	0.70	0.45	0.58	1.91	0.00	0.20	0.60	1.44	2.40	100.0	1	92	B	
SO2	0.15	0.36	0.07	2.40	0.05	0.05	0.05	0.74	2.00	100.0	0	92	C	
SPM	14.9	7.9	12.8	1.8	2.0	5.0	12.0	31.2	35.0	95.7	0	88		

DE0005R BROTJACKLRIEGEL GERMANY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.20	1.37	1.82	1.98	0.12	0.87	1.77	4.30	8.94	100.0	2	91	D	
SO4--	0.77	0.47	0.63	1.93	0.20	0.20	0.70	1.55	2.70	98.9	0	90	B	
SO2	0.42	0.81	0.13	3.80	0.05	0.05	0.05	2.42	3.75	78.0	0	71	C	
SPM	9.0	7.4	6.4	2.4	0.5	2.0	7.0	19.0	46.0	98.9	3	90		

DE0007R NEUGLOBSOW GERMANY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.21	1.80	2.75	1.76	0.99	1.11	2.85	6.76	8.79	100.0	0	90	D	
SO4--	0.79	0.64	0.60	2.14	0.20	0.20	0.60	2.00	3.10	100.0	0	90	B	
SO2	1.41	2.01	0.63	3.81	0.05	0.05	0.55	6.10	9.80	100.0	0	90	C	
SPM	24.4	17.1	19.0	2.1	5.0	6.0	19.0	59.2	75.0	86.7	0	78		

DE0007R NEUGLOBSOW GERMANY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.46	0.58	1.38	1.39	0.63	0.93	1.29	2.65	3.81	100.0	0	92	D	
SO4--	0.66	0.40	0.55	1.86	0.20	0.20	0.50	1.50	1.70	100.0	0	92	B	
SO2	0.76	1.23	0.26	4.38	0.05	0.05	0.20	3.05	6.35	100.0	0	92	C	
SPM	20.2	14.3	16.8	1.8	4.0	7.0	17.0	44.4	110.0	100.0	0	92		

DE0007R NEUGLOBSOW GERMANY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.28	0.28	1.25	1.24	0.75	0.89	1.26	1.73	2.07	100.0	0	92	D	
SO4--	0.49	0.20	0.45	1.56	0.20	0.20	0.50	0.80	1.10	100.0	0	92	B	
SO2	0.31	0.69	0.12	3.28	0.05	0.05	0.05	1.31	4.20	100.0	0	92	C	
SPM	13.8	6.5	12.5	1.5	6.0	6.0	12.0	28.0	35.0	98.9	0	91		

DE0007R NEUGLOBSOW GERMANY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.26	1.60	1.92	1.69	0.90	1.07	1.74	5.58	8.55	100.0	0	91	D	
SO4--	0.95	1.06	0.63	2.35	0.20	0.20	0.55	3.44	5.30	100.0	0	91	B	
SO2	1.46	2.93	0.41	4.94	0.05	0.05	0.30	6.77	20.85	97.8	0	89	C	
SPM	22.5	20.0	16.9	2.1	5.0	6.0	15.0	64.8	109.0	100.0	0	91		

DE0008R SCHMUCKE GERMANY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.66	1.70	2.25	1.77	0.81	0.93	2.13	5.91	9.30	100.0	0	90	D	
SO4--	0.51	0.34	0.42	1.86	0.20	0.20	0.40	1.15	1.50	100.0	0	90	B	
SO2	1.72	2.67	0.81	3.42	0.05	0.10	0.85	7.03	14.75	100.0	0	90	C	
SPM	13.6	10.2	9.5	2.6	0.5	2.0	10.0	33.3	42.0	96.7	1	87		

DE0008R SCHMUCKE GERMANY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.37	0.44	1.32	1.32	0.75	0.86	1.29	2.05	3.75	100.0	0	92	D	
SO4--	0.60	0.41	0.49	1.87	0.10	0.20	0.50	1.24	2.20	100.0	0	92	B	
SO2	0.93	1.53	0.39	3.66	0.05	0.05	0.30	4.26	8.15	100.0	0	92	C	
SPM	16.1	10.1	13.0	2.1	0.5	3.0	14.0	35.0	50.0	97.8	1	90		

DE0008R SCHMUCKE GERMANY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.23	0.32	1.19	1.30	0.63	0.69	1.20	1.81	2.37	100.0	0	92	D	
SO4--	0.55	0.23	0.50	1.58	0.20	0.20	0.50	0.94	1.20	100.0	0	92	B	
SO2	0.26	0.29	0.18	2.53	0.00	0.05	0.15	0.95	1.25	100.0	3	92	C	
SPM	15.3	9.3	12.6	1.9	2.0	4.0	13.5	33.5	46.0	98.9	0	91		

DE0008R SCHMUCKE GERMANY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.38	1.67	2.04	1.68	0.93	1.00	1.92	5.61	10.71	98.9	0	90	D	
SO4--	0.47	0.38	0.38	1.87	0.20	0.20	0.30	1.35	2.00	98.9	0	90	B	
SO2	0.96	1.50	0.43	3.82	0.00	0.05	0.40	3.78	9.95	98.9	3	90	C	
SPM	9.3	7.8	6.5	2.5	0.5	1.3	6.0	21.4	39.0	100.0	4	91		

DE0009R ZINGST GERMANY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.25	2.11	2.71	1.81	0.72	1.12	2.57	8.51	9.57	98.9	0	89	D	
SO4--	0.67	0.50	0.52	2.03	0.20	0.20	0.50	1.65	2.70	98.9	0	89	B	
SO2	1.20	1.86	0.70	2.59	0.10	0.15	0.68	3.50	11.20	98.9	0	89	C	
SPM	23.9	16.3	19.2	2.0	6.0	7.0	19.0	54.1	75.0	98.9	0	89		

DE0009R ZINGST GERMANY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.80	0.69	1.69	1.40	0.81	0.99	1.62	3.13	4.80	100.0	0	92	D	
SO4--	0.56	0.37	0.46	1.88	0.20	0.20	0.50	1.30	1.80	100.0	0	92	B	
SO2	0.71	0.75	0.45	2.57	0.05	0.10	0.45	2.27	4.05	100.0	0	92	C	
SPM	22.3	13.1	19.1	1.7	4.0	7.6	19.0	47.4	73.0	100.0	0	92		

DE0009R ZINGST GERMANY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.48	0.44	1.42	1.33	0.81	0.89	1.38	2.28	3.03	100.0	0	92	D	
SO4--	0.44	0.24	0.39	1.66	0.20	0.20	0.40	0.80	1.40	98.9	0	91	B	
SO2	0.39	0.46	0.30	1.93	0.10	0.15	0.25	0.89	3.60	100.0	0	92	C	
SPM	16.0	7.7	14.6	1.5	6.0	7.0	14.0	32.0	52.0	97.8	0	90		

DE0009R ZINGST GERMANY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.13	1.78	1.73	1.82	0.54	0.78	1.54	5.68	9.84	100.0	0	91	D	
SO4--	0.94	1.24	0.56	2.56	0.20	0.20	0.50	3.72	6.20	100.0	0	91	B	
SO2	1.06	1.97	0.40	3.92	0.05	0.05	0.35	4.48	13.60	100.0	0	91	C	
SPM	23.0	22.2	17.2	2.0	6.0	7.0	15.0	76.5	113.0	98.9	0	90		

DK0003R TANGE DENMARK

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.81	0.50	0.68	1.85	0.07	0.26	0.68	1.81	2.52	100.0	0	90	A	
SO2	0.79	0.90	0.56	2.18	0.08	0.17	0.55	1.86	5.72	100.0	0	90	A	
NH3+NH4+	2.28	1.25	2.00	1.66	0.74	0.95	1.99	4.71	6.62	100.0	0	90	A	
HNO3+NO3	1.00	0.74	0.74	2.32	0.04	0.16	0.76	2.48	3.44	100.0	0	90	A	

DK0003R TANGE DENMARK

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.99	0.60	0.82	1.90	0.19	0.31	0.81	2.01	2.78	98.9	0	91	A	
SO2	0.71	0.68	0.47	2.62	0.06	0.08	0.48	2.17	3.18	100.0	0	92	A	
NH3+NH4+	3.59	2.28	2.97	1.88	0.76	0.87	2.91	7.64	12.02	100.0	0	92	A	
HNO3+NO3	1.03	0.93	0.70	2.53	0.08	0.16	0.78	2.76	4.89	100.0	0	92	A	

DK0003R TANGE DENMARK

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.86	0.52	0.71	1.87	0.07	0.29	0.65	1.79	2.28	100.0	1	92	A	
SO2	0.29	0.39	0.17	2.77	0.02	0.04	0.16	0.95	2.72	100.0	0	92	A	
NH3+NH4+	2.16	0.94	1.95	1.61	0.47	0.85	2.00	3.85	4.74	100.0	0	92	A	
HNO3+NO3	0.53	0.39	0.40	2.18	0.10	0.12	0.39	1.29	1.68	100.0	0	92	A	

DK0003R TANGE DENMARK

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	1.05	0.97	0.73	2.31	0.20	0.23	0.62	3.16	4.53	100.0	0	91	A	
SO2	0.64	0.78	0.33	3.37	0.03	0.04	0.34	2.43	3.88	100.0	0	91	A	
NH3+NH4+	2.65	1.93	2.12	1.95	0.65	0.72	2.01	6.53	9.18	100.0	0	91	A	
HNO3+NO3	0.83	0.88	0.48	3.04	0.04	0.06	0.49	2.74	3.83	100.0	0	91	A	

DK0005R KELDSNOR DENMARK

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.90	0.52	0.75	1.92	0.04	0.26	0.78	1.95	2.66	97.8	0	88	A	
SO2	1.19	1.29	0.85	2.25	0.07	0.24	0.81	2.67	9.63	97.8	0	88	A	
NH3+NH4+	2.73	2.12	2.06	2.17	0.34	0.49	2.18	7.46	10.59	97.8	0	88	A	
HNO3+NO3	1.49	1.23	1.07	2.39	0.06	0.21	1.17	4.23	5.94	97.8	0	88	A	

DK0005R KELDSNOR DENMARK

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	1.03	0.63	0.87	1.81	0.24	0.32	0.89	2.13	3.28	100.0	0	92	A	
SO2	0.83	0.74	0.59	2.37	0.08	0.12	0.65	1.90	4.65	97.8	0	90	A	
NH3+NH4+	2.80	1.68	2.36	1.81	0.62	0.91	2.40	5.69	9.23	100.0	0	92	A	
HNO3+NO3	1.18	0.91	0.89	2.19	0.15	0.22	0.99	2.80	5.32	100.0	0	92	A	

DK0005R KELDSNOR DENMARK

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	1.00	0.58	0.84	1.83	0.24	0.28	0.86	1.89	2.96	100.0	0	92	A	
SO2	0.47	0.36	0.34	2.39	0.05	0.07	0.38	1.24	1.84	100.0	0	92	A	
NH3+NH4+	2.10	1.19	1.78	1.80	0.51	0.64	1.84	4.60	5.38	98.9	0	91	A	
HNO3+NO3	0.69	0.53	0.51	2.31	0.01	0.13	0.49	1.69	2.56	100.0	1	92	A	

DK0005R KELDSNOR DENMARK

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	1.22	1.01	0.89	2.25	0.18	0.24	0.93	3.25	4.76	100.0	0	91	A	
SO2	0.98	1.34	0.55	2.85	0.05	0.12	0.56	3.50	7.50	100.0	0	91	A	
NH3+NH4+	2.54	2.09	1.78	2.45	0.23	0.34	1.61	6.71	7.87	98.9	0	90	A	
HNO3+NO3	0.98	0.92	0.63	2.68	0.10	0.13	0.64	2.96	4.49	100.0	0	91	A	

DK0008R ANHOLT DENMARK

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.03	1.88	1.31	2.81	0.08	0.13	1.35	6.54	8.61	95.6	0	86	A	
SO4--	0.67	0.39	0.57	1.74	0.15	0.23	0.56	1.31	2.49	98.9	0	89	A	
SO2	0.69	0.62	0.53	2.05	0.11	0.15	0.53	1.57	4.74	98.9	0	89	A	
NH3+NH4+	1.39	1.32	0.95	2.52	0.09	0.16	1.01	3.77	8.25	98.9	0	89	A	
HNO3+NO3	0.92	0.84	0.62	2.50	0.05	0.13	0.61	2.55	4.62	98.9	0	89	A	

DK0008R ANHOLT DENMARK

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.04	1.23	1.68	1.93	0.35	0.51	1.88	4.50	5.85	96.7	0	89	A	
SO4--	0.92	0.55	0.77	1.85	0.22	0.26	0.75	2.03	2.58	96.7	0	89	A	
SO2	0.82	0.71	0.59	2.26	0.09	0.15	0.58	2.13	4.15	97.8	0	90	A	
NH3+NH4+	1.29	1.18	0.87	2.58	0.10	0.16	0.90	3.97	6.33	97.8	0	90	A	
HNO3+NO3	0.77	0.69	0.54	2.39	0.07	0.12	0.55	2.27	3.63	97.8	0	90	A	

DK0008R ANHOLT DENMARK

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.21	0.71	1.04	1.72	0.35	0.47	1.04	2.34	3.99	71.7	0	66	A	
SO4--	0.82	0.48	0.70	1.79	0.09	0.29	0.66	1.78	2.01	100.0	1	92	A	
SO2	0.44	0.34	0.32	2.33	0.05	0.07	0.30	1.01	1.54	100.0	0	92	A	
NH3+NH4+	0.85	0.63	0.66	2.05	0.13	0.23	0.68	2.22	2.81	98.9	0	91	A	
HNO3+NO3	0.51	0.40	0.38	2.25	0.04	0.10	0.38	1.25	1.74	100.0	0	92	A	

DK0008R ANHOLT DENMARK

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.92	2.29	1.28	2.41	0.09	0.25	1.19	5.45	14.40	96.7	0	88	A	
SO4--	1.06	1.03	0.73	2.32	0.18	0.23	0.63	3.22	5.58	98.9	0	90	A	
SO2	0.71	1.06	0.36	3.04	0.04	0.06	0.31	3.87	5.14	98.9	0	90	A	
NH3+NH4+	1.07	1.08	0.70	2.50	0.14	0.18	0.61	3.42	5.95	98.9	0	90	A	
HNO3+NO3	0.52	0.54	0.34	2.55	0.05	0.08	0.29	1.62	2.96	98.9	0	90	A	

EE0009R LAHEMAA ESTONIA

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.73	0.49	0.61	1.95	0.00	0.16	0.61	1.55	2.59	100.0	1	90	D	

EE0009R LAHEMAA ESTONIA

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.63	0.27	0.58	1.52	0.21	0.28	0.56	1.06	1.70	100.0	0	92	D	

EE0009R LAHEMAA ESTONIA

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.45	0.18	0.41	1.54	0.11	0.18	0.44	0.74	1.14	97.8	0	90	D	

EE0009R LAHEMAA ESTONIA

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.59	0.29	0.53	1.62	0.15	0.22	0.53	1.12	1.78	98.9	0	90	D	

EE0011R VILSANDI ESTONIA

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.12	0.91	0.84	2.16	0.14	0.23	0.81	3.01	4.48	100.0	0	90	B	

EE0011R VILSANDI ESTONIA

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.81	0.38	0.72	1.68	0.23	0.27	0.71	1.42	1.60	100.0	0	92	B	

EE0011R VILSANDI ESTONIA

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.79	0.49	0.66	1.89	0.15	0.20	0.66	1.75	2.29	100.0	0	92	B	
SO2	0.09	0.07	0.07	1.91	0.03	0.03	0.07	0.19	0.47	82.6	8	76	D	

EE0011R VILSANDI ESTONIA

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.60	0.56	0.44	2.12	0.08	0.11	0.44	1.85	3.49	89.0	0	81	B	
SO2	0.36	0.81	0.14	3.59	0.03	0.03	0.12	1.16	6.47	98.9	16	90	D	

ES0001R TOLEDO SPAIN

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.2	0.5	-	-	0.0	0.0	0.0	1.0	3.0	92.2	72	83		
NH4+	0.35	0.43	0.18	3.61	0.01	0.01	0.16	1.15	2.30	91.1	0	82	D	
NO2	4.39	3.84	3.28	2.18	0.25	1.05	3.10	11.55	22.90	100.0	0	90	B	
SO4--	0.47	0.41	0.34	2.29	0.05	0.08	0.31	1.44	1.74	91.1	0	82	B	
SO2	0.94	1.32	0.48	2.85	0.25	0.25	0.25	4.05	5.40	100.0	35	90	B	
NH3+NH4+	0.05	0.14	0.03	1.85	0.03	0.03	0.03	0.12	1.26	97.8	51	88	B	
HNO3+NO3	0.28	0.18	0.24	1.80	0.08	0.10	0.22	0.62	0.97	100.0	0	90	B	
SPM	10.7	8.4	8.0	2.2	1.0	2.0	8.0	30.0	41.0	87.8	0	79		

ES0001R TOLEDO SPAIN

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.0	0.3	-	-	0.0	0.0	0.0	0.0	2.0	96.7	86	89		
NH4+	0.32	0.28	0.22	2.69	0.02	0.03	0.25	0.89	1.19	96.7	0	89	D	
NO2	2.37	1.36	1.83	2.36	0.25	0.25	2.10	4.68	4.90	89.1	10	82	B	
SO4--	0.67	0.44	0.52	2.10	0.07	0.16	0.56	1.34	2.20	96.7	0	89	B	
SO2	0.49	1.04	0.30	1.93	0.25	0.25	0.25	1.32	7.60	100.0	84	92	B	
NH3+NH4+	0.14	0.19	0.07	3.10	0.03	0.03	0.10	0.62	1.02	92.4	41	85	B	
HNO3+NO3	0.28	0.13	0.25	1.73	0.01	0.11	0.24	0.55	0.69	98.9	1	91	B	
SPM	17.6	12.8	13.9	2.0	3.0	4.4	12.0	46.0	54.0	96.7	0	89		

ES0001R TOLEDO SPAIN

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.1	0.4	-	-	0.0	0.0	0.0	1.0	3.0	89.1	76	82		
NH4+	0.68	0.43	0.46	3.25	0.00	0.03	0.67	1.35	2.07	89.1	2	82	D	
NO2	3.71	2.01	3.15	1.89	0.25	1.26	3.50	7.28	12.10	100.0	2	92	B	
SO4--	1.04	0.63	0.87	1.91	0.07	0.30	0.97	2.18	3.78	89.1	0	82	B	
SO2	1.32	1.84	0.57	3.38	0.25	0.25	0.25	5.03	8.10	94.6	57	87	B	
NH3+NH4+	0.99	0.55	0.80	2.22	0.01	0.25	0.93	1.92	2.21	96.7	0	89	B	
HNO3+NO3	0.44	0.27	0.35	2.22	0.01	0.11	0.41	0.80	1.92	98.9	3	91	B	
SPM	41.3	36.8	34.7	1.8	1.0	15.1	37.5	65.9	342.0	88.0	0	81		

ES0001R TOLEDO SPAIN

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.0	0.2	-	-	0.0	0.0	0.0	0.0	1.0	93.4	81	85		
NH4+	0.33	0.33	0.22	2.44	0.04	0.05	0.22	1.18	1.57	89.0	0	81	D	
NO2	4.70	1.87	4.32	1.54	1.00	2.10	4.50	7.50	11.40	100.0	0	91	B	
SO4--	0.61	0.47	0.50	1.85	0.12	0.18	0.50	1.18	2.74	93.4	0	85	B	
SO2	0.38	0.61	0.29	1.70	0.25	0.25	0.25	0.93	4.10	100.0	85	91	B	
NH3+NH4+	0.76	0.54	0.56	2.34	0.04	0.11	0.58	1.76	2.37	100.0	0	91	B	
HNO3+NO3	0.45	0.32	0.36	2.11	0.01	0.14	0.37	1.05	2.23	100.0	2	91	B	
SPM	22.9	30.0	17.8	1.8	6.0	8.0	16.5	38.5	275.0	93.4	0	85		

ES0003R ROQUETAS SPAIN

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.0	0.1	-	-	0.0	0.0	0.0	0.0	1.0	94.4	84	85		
NH4+	0.90	1.08	0.43	3.82	0.02	0.04	0.52	3.47	4.83	94.4	0	85	D	
NO2	4.54	2.53	3.97	1.68	1.10	1.70	3.70	9.85	13.20	100.0	0	90	B	
SO4--	1.05	0.73	0.82	2.06	0.12	0.27	0.97	2.43	3.60	95.6	0	86	B	
SO2	1.34	1.73	0.63	3.32	0.25	0.25	0.25	4.80	7.70	94.4	30	85	B	
NH3+NH4+	0.43	0.41	0.24	3.66	0.03	0.03	0.32	1.23	2.30	100.0	2	90	B	
HNO3+NO3	0.38	0.32	0.30	1.99	0.10	0.11	0.26	0.86	2.01	83.3	0	75	B	
SPM	33.3	19.4	28.1	1.8	7.0	10.0	27.0	71.7	86.0	95.6	0	86		

ES0003R ROQUETAS SPAIN

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.4	0.7	-	-	0.0	0.0	0.0	2.0	4.0	97.8	67	90		
NH4+	0.93	0.87	0.60	2.71	0.06	0.10	0.60	2.39	5.15	97.8	0	90	D	
NO2	3.05	1.80	2.42	2.21	0.25	0.25	2.50	6.11	8.10	84.8	5	78	B	
SO4--	1.55	1.04	1.21	2.13	0.19	0.33	1.25	3.36	4.83	97.8	0	90	B	
SO2	0.60	1.03	0.35	2.25	0.25	0.25	0.25	2.87	5.40	90.2	70	83	B	
NH3+NH4+	0.81	0.61	0.57	2.74	0.03	0.03	0.69	2.07	2.75	94.6	5	87	B	
HNO3+NO3	0.29	0.25	0.23	1.82	0.07	0.12	0.20	0.81	1.62	80.4	0	74	B	
SPM	42.1	23.8	36.1	1.8	10.0	13.0	38.0	88.0	135.0	97.8	0	90		

ES0003R ROQUETAS SPAIN

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	92.4	85	85		
NH4+	0.38	0.28	0.27	2.59	0.00	0.05	0.31	0.93	1.29	92.4	1	85	D	
NO2	3.95	2.70	2.65	3.08	0.25	0.25	3.80	7.54	13.60	69.6	10	64	B	
SO4--	1.20	0.98	0.68	3.84	0.03	0.03	1.16	3.03	3.74	92.4	7	85	B	
SO2	1.03	1.53	0.51	2.95	0.25	0.25	0.25	4.18	8.60	100.0	62	92	B	
NH3+NH4+	0.58	0.50	0.34	3.68	0.01	0.03	0.48	1.71	2.18	97.8	13	90	B	
HNO3+NO3	0.22	0.11	0.17	2.66	0.01	0.01	0.23	0.39	0.61	92.4	11	85	B	
SPM	42.4	10.4	41.1	1.3	14.0	26.2	42.5	58.8	73.0	92.4	0	85		

ES0003R ROQUETAS SPAIN

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	89.0	81	81		
NH4+	0.24	0.27	0.12	3.83	0.00	0.00	0.13	0.91	1.13	89.0	4	81	D	
NO2	5.77	2.38	5.17	1.74	0.25	2.12	5.40	9.80	12.80	92.3	1	84	B	
SO4--	1.06	0.54	0.92	1.76	0.25	0.30	0.98	1.96	2.73	89.0	0	81	B	
SO2	0.63	1.16	0.34	2.29	0.25	0.25	0.25	3.20	5.90	92.3	73	84	B	
NH3+NH4+	0.34	0.37	0.19	3.17	0.03	0.03	0.23	0.98	2.29	91.2	7	83	B	
HNO3+NO3	0.18	0.06	0.17	1.64	0.01	0.07	0.18	0.28	0.35	52.7	1	48	B	
SPM	42.4	29.0	35.8	1.8	8.0	12.1	37.0	84.7	222.0	89.0	0	81		

ES0004R LOGRONO SPAIN

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.2	0.4	-	-	0.0	0.0	0.0	1.0	1.0	88.9	60	80		
NH4+	0.94	1.03	0.53	3.10	0.05	0.09	0.52	2.83	4.97	90.0	0	81	D	
NO2	4.93	3.27	3.20	3.38	0.25	0.25	4.75	9.80	16.90	92.2	0	83	B	
SO4--	0.90	0.70	0.68	2.17	0.06	0.19	0.63	2.02	4.18	90.0	0	81	B	
SO2	1.25	1.66	0.60	3.19	0.25	0.25	0.25	4.57	7.50	87.8	27	79	B	
NH3+NH4+	3.71	7.38	1.71	4.11	0.03	0.03	1.89	6.98	50.40	76.7	0	69	B	
HNO3+NO3	0.43	0.70	0.22	2.74	0.09	0.10	0.13	1.79	3.73	98.9	0	89	B	
SPM	24.2	19.0	19.0	2.0	6.0	6.9	19.5	56.2	100.0	87.8	0	79		

ES0004R LOGRONO SPAIN

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.7	1.0	-	-	0.0	0.0	0.0	3.0	4.0	98.9	55	91		
NH4+	0.93	1.02	0.49	3.66	0.00	0.06	0.56	3.24	4.40	98.9	1	91	D	
NO2	3.36	1.87	2.66	2.27	0.25	0.25	3.20	6.93	7.70	92.4	6	85	B	
SO4--	1.32	0.91	1.03	2.11	0.19	0.27	1.18	3.06	5.21	98.9	0	91	B	
SO2	0.40	0.48	0.30	1.77	0.25	0.25	0.25	1.35	2.90	98.9	81	91	B	
NH3+NH4+	2.65	1.82	1.42	5.38	0.03	0.03	2.32	5.82	6.85	41.3	5	38	B	
HNO3+NO3	0.59	0.37	0.49	1.87	0.14	0.17	0.48	1.34	1.80	97.8	0	90	B	
SPM	30.3	22.0	23.2	2.2	1.0	8.0	24.0	76.6	105.0	91.3	0	84		

ES0004R LOGRONO SPAIN

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.1	0.2	-	-	0.0	0.0	0.0	0.2	1.0	81.5	71	75		
NH4+	0.48	0.41	0.31	3.24	0.00	0.05	0.37	1.35	1.95	81.5	3	75	D	
NO2	3.19	2.04	2.22	2.90	0.25	0.25	3.10	6.09	10.90	89.1	14	82	B	
SO4--	1.47	0.82	1.24	1.92	0.10	0.38	1.34	3.11	3.97	81.5	0	75	B	
SO2	0.99	1.46	0.49	2.90	0.25	0.25	0.25	3.99	6.30	88.0	56	81	B	
NH3+NH4+	0.08	0.18	0.04	2.61	0.02	0.03	0.03	0.30	1.30	79.3	57	73	B	
HNO3+NO3	0.45	0.17	0.40	1.79	0.01	0.18	0.44	0.73	0.81	83.7	1	77	B	
SPM	30.7	13.7	27.9	1.5	12.0	13.7	27.0	54.3	72.0	80.4	0	74		

ES0004R LOGRONO SPAIN

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.4	1.0	-	-	0.0	0.0	0.0	2.0	6.0	89.0	65	81		
NH4+	0.28	0.28	0.17	2.99	0.00	0.02	0.19	0.81	1.60	89.0	1	81	D	
NO2	6.92	3.78	5.79	1.95	0.25	2.00	6.30	13.56	18.80	100.0	1	91	B	
SO4--	0.90	0.54	0.75	1.88	0.13	0.25	0.77	1.79	2.91	89.0	0	81	B	
SO2	0.50	1.34	0.29	1.87	0.25	0.25	0.25	0.56	10.70	84.6	72	77	B	
NH3+NH4+	0.03	0.03	0.03	1.71	0.01	0.01	0.03	0.08	0.27	95.6	55	87	B	
HNO3+NO3	0.57	0.50	0.44	2.00	0.07	0.16	0.44	1.42	2.87	97.8	0	89	B	
SPM	28.2	23.6	21.3	2.1	4.0	7.0	20.5	68.9	149.0	89.0	0	81		

ES0005R NOIA SPAIN

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.3	0.7	-	-	0.0	0.0	0.0	2.0	2.0	77.8	53	70		
NH4+	0.33	0.47	0.14	4.29	0.00	0.01	0.12	1.22	2.46	77.8	0	70	D	
NO2	2.67	2.36	1.33	3.99	0.25	0.25	2.25	6.45	8.10	61.1	0	55	B	
SO4--	0.56	0.44	0.43	2.11	0.08	0.09	0.41	1.58	2.19	78.9	0	71	B	
SO2	0.94	1.55	0.45	2.79	0.25	0.25	0.25	5.27	5.90	68.9	16	62	B	
NH3+NH4+	0.45	0.63	0.15	5.25	0.03	0.03	0.24	2.02	2.58	44.4	3	40	B	
HNO3+NO3	0.11	0.05	0.10	1.96	0.01	0.01	0.11	0.18	0.34	52.2	4	47	B	
SPM	15.3	9.5	13.0	1.8	4.0	4.5	12.0	37.0	45.0	77.8	0	70		

ES0005R NOIA SPAIN

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.6	0.8	-	-	0.0	0.0	0.0	2.0	3.0	55.4	29	51		
NH4+	0.33	0.45	0.11	4.86	0.00	0.01	0.08	1.36	1.45	55.4	2	51	D	
NO2	3.08	1.76	2.38	2.40	0.25	0.25	3.00	6.30	8.50	90.2	8	83	B	
SO4--	0.74	0.60	0.55	2.18	0.16	0.18	0.47	1.82	2.64	55.4	0	51	B	
SO2	0.66	1.07	0.38	2.37	0.25	0.25	0.25	3.02	6.10	84.8	62	78	B	
NH3+NH4+	0.68	0.83	0.24	5.70	0.03	0.03	0.41	2.45	3.72	77.2	24	71	B	
HNO3+NO3	0.19	0.19	0.14	2.10	0.01	0.08	0.10	0.57	0.80	65.2	1	60	B	
SPM	16.3	9.3	14.1	1.7	5.0	5.6	14.0	33.8	43.0	55.4	0	51		

ES0005R NOIA SPAIN

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.6	1.4	-	-	0.0	0.0	0.0	4.0	6.0	65.2	46	60		
NH4+	0.71	0.93	0.22	7.52	0.00	0.00	0.32	2.36	4.97	65.2	8	60	D	
NO2	2.63	2.02	1.49	3.64	0.25	0.25	2.90	5.70	7.40	69.6	21	64	B	
SO4--	1.55	1.36	1.02	2.84	0.04	0.09	1.19	3.29	8.10	65.2	0	60	B	
SO2	1.15	1.75	0.50	3.17	0.25	0.25	0.25	5.09	7.70	77.2	50	71	B	
NH3+NH4+	0.71	0.61	0.41	3.75	0.03	0.03	0.51	1.99	2.62	89.1	12	82	B	
HNO3+NO3	0.32	0.22	0.24	2.51	0.01	0.01	0.27	0.67	1.12	94.6	6	87	B	
SPM	22.0	14.3	17.5	2.1	2.0	3.0	18.0	45.0	68.0	64.1	0	59		

ES0005R NOIA SPAIN

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.4	0.8	-	-	0.0	0.0	0.0	1.8	4.0	71.4	50	65		
NH4+	0.25	0.48	0.08	4.85	0.00	0.00	0.09	1.12	2.44	72.5	7	66	D	
NO2	4.61	2.78	3.76	2.06	0.25	1.20	3.80	10.56	11.50	74.7	2	68	B	
SO4--	0.66	0.47	0.52	1.99	0.10	0.18	0.51	1.52	2.85	72.5	0	66	B	
SO2	0.28	0.21	0.26	1.28	0.25	0.25	0.25	0.25	2.00	76.9	69	70	B	
NH3+NH4+	0.43	0.41	0.23	3.67	0.02	0.03	0.29	1.26	1.78	75.8	9	69	B	
HNO3+NO3	0.17	0.08	0.15	1.77	0.01	0.05	0.16	0.31	0.49	94.5	1	86	B	
SPM	14.1	6.9	12.6	1.6	3.0	5.2	13.5	22.8	46.0	71.4	0	65		

ES0006R MAHON SPAIN

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.6	1.1	-	-	0.0	0.0	0.0	3.0	4.0	97.8	61	88		
NH4+	0.31	0.41	0.16	3.27	0.00	0.03	0.14	1.45	1.77	97.8	1	88	D	
NO2	3.72	2.51	2.42	3.22	0.25	0.25	3.80	7.26	13.70	97.8	3	88	B	
SO4--	0.86	0.44	0.76	1.64	0.22	0.33	0.77	1.55	2.61	97.8	0	88	B	
SO2	1.02	1.49	0.49	2.94	0.25	0.25	0.25	4.30	6.90	85.6	28	77	B	
NH3+NH4+	0.48	0.36	0.31	3.27	0.03	0.03	0.41	1.18	2.10	87.8	11	79	B	
HNO3+NO3	0.15	0.09	0.13	1.74	0.01	0.08	0.13	0.28	0.68	68.9	2	62	B	
SPM	27.1	12.2	24.9	1.5	11.0	13.4	24.0	44.7	88.0	96.7	0	87		

ES0006R MAHON SPAIN

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.1	0.6	-	-	0.0	0.0	0.0	0.0	5.0	97.8	86	90		
NH4+	0.44	0.36	0.26	3.75	0.00	0.01	0.35	1.21	1.43	97.8	4	90	D	
NO2	2.66	1.45	2.02	2.51	0.25	0.25	2.80	4.90	6.20	97.8	12	90	B	
SO4--	1.38	0.68	1.21	1.69	0.23	0.52	1.25	2.78	3.22	97.8	0	90	B	
SO2	0.82	2.02	0.36	2.55	0.25	0.25	0.25	3.25	15.70	97.8	77	90	B	
NH3+NH4+	0.73	0.38	0.55	2.78	0.03	0.03	0.70	1.37	1.46	93.5	7	86	B	
HNO3+NO3	0.22	0.12	0.19	1.65	0.09	0.10	0.19	0.44	0.60	46.7	0	43	B	
SPM	31.9	12.8	29.8	1.4	13.0	17.9	29.0	60.1	73.0	84.8	0	78		

ES0006R MAHON SPAIN

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.0	0.1	-	-	0.0	0.0	0.0	0.0	1.0	91.3	83	84		
NH4+	0.27	0.30	0.15	3.55	0.00	0.01	0.19	0.71	2.04	91.3	4	84	D	
NO2	2.18	1.83	1.14	3.72	0.25	0.25	2.50	5.15	5.70	92.4	35	85	B	
SO4--	1.72	0.76	1.58	1.50	0.72	0.85	1.56	2.88	4.29	91.3	0	84	B	
SO2	1.32	1.88	0.60	3.29	0.25	0.25	0.25	4.85	9.50	92.4	53	85	B	
NH3+NH4+	0.82	0.36	0.69	2.17	0.03	0.15	0.76	1.47	1.76	93.5	3	86	B	
HNO3+NO3	0.26	0.23	0.16	3.15	0.01	0.01	0.17	0.57	1.13	69.6	9	64	B	
SPM	37.1	15.9	34.4	1.5	19.0	20.7	29.5	64.4	87.0	40.2	0	37		

ES0006R MAHON SPAIN

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.0	0.2	-	-	0.0	0.0	0.0	0.0	1.0	96.7	86	88		
NH4+	0.12	0.12	0.07	3.08	0.00	0.01	0.08	0.34	0.61	96.7	4	88	D	
NO2	4.86	2.79	4.06	1.94	0.25	1.20	4.50	8.80	14.20	87.9	1	80	B	
SO4--	1.16	0.60	1.06	1.51	0.50	0.57	1.04	2.40	3.95	96.7	0	88	B	
SO2	0.39	0.49	0.30	1.77	0.25	0.25	0.25	1.70	3.30	96.7	80	88	B	
NH3+NH4+	0.54	0.31	0.44	2.21	0.03	0.06	0.53	0.99	1.90	93.4	1	85	B	
HNO3+NO3	0.19	0.16	0.14	2.22	0.03	0.04	0.11	0.43	0.76	78.0	0	71	B	
SPM	38.1	16.7	34.9	1.5	17.0	17.8	31.5	67.8	81.0	38.5	0	35		

ES0007R VIZNAR SPAIN

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.1	0.2	-	-	0.0	0.0	0.0	0.6	1.0	97.8	83	88		
NH4+	0.23	0.28	0.14	2.89	0.00	0.02	0.13	0.71	1.68	97.8	1	88	D	
NO2	4.46	2.34	3.98	1.61	1.00	2.00	3.70	8.80	13.10	100.0	0	90	B	
SO4--	0.41	0.23	0.35	1.81	0.04	0.12	0.34	0.92	1.06	97.8	0	88	B	
SO2	1.18	2.11	0.49	3.14	0.25	0.25	0.25	5.45	12.00	100.0	41	90	B	
NH3+NH4+	0.40	0.34	0.20	4.23	0.03	0.03	0.37	1.05	1.30	95.6	10	86	B	
HNO3+NO3	0.24	0.14	0.21	1.73	0.01	0.12	0.20	0.54	0.78	87.8	1	79	B	
SPM	15.6	11.6	12.7	1.9	3.0	4.3	13.0	29.0	91.0	96.7	0	87		

ES0007R VIZNAR SPAIN

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.3	0.7	-	-	0.0	0.0	0.0	2.0	3.0	96.7	72	89		
NH4+	0.52	0.40	0.34	3.01	0.00	0.04	0.39	1.20	1.63	96.7	1	89	D	
NO2	2.83	2.45	1.82	2.93	0.25	0.25	1.90	8.02	13.00	100.0	16	92	B	
SO4--	0.86	0.54	0.73	1.74	0.24	0.30	0.68	1.89	2.81	96.7	0	89	B	
SO2	0.39	0.48	0.30	1.73	0.25	0.25	0.25	1.22	3.90	100.0	81	92	B	
NH3+NH4+	1.34	0.68	1.17	1.70	0.27	0.48	1.23	2.75	3.38	93.5	0	86	B	
HNO3+NO3	0.35	0.21	0.30	1.72	0.12	0.13	0.29	0.73	1.03	78.3	0	72	B	
SPM	29.3	15.7	25.5	1.7	8.0	10.4	26.5	61.0	75.0	96.7	0	89		

ES0007R VIZNAR SPAIN

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.1	0.8	-	-	0.0	0.0	0.0	0.0	7.0	87.0	77	80		
NH4+	0.73	0.42	0.58	2.33	0.00	0.16	0.60	1.36	2.02	87.0	1	80	D	
NO2	3.13	2.29	2.11	2.95	0.25	0.25	2.80	6.86	12.20	100.0	16	92	B	
SO4--	1.60	0.91	1.41	1.64	0.49	0.68	1.37	3.40	5.66	87.0	0	80	B	
SO2	0.85	1.31	0.44	2.68	0.25	0.25	0.25	3.63	5.70	84.8	56	78	B	
NH3+NH4+	1.38	1.01	0.91	3.30	0.03	0.03	1.25	3.49	4.81	88.0	5	81	B	
HNO3+NO3	0.42	0.23	0.36	1.84	0.01	0.17	0.38	0.81	1.48	81.5	1	75	B	
SPM	55.3	30.9	50.8	1.5	14.0	26.0	50.0	82.0	286.0	87.0	0	80		

ES0007R VIZNAR SPAIN

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	0.1	0.4	-	-	0.0	0.0	0.0	1.0	2.0	36.3	30	33		
NH4+	0.22	0.12	0.20	1.69	0.07	0.07	0.19	0.49	0.54	36.3	0	33	D	
NO2	4.95	2.70	4.16	1.97	0.25	1.24	4.10	9.52	13.00	95.6	2	87	B	
SO4--	0.85	0.62	0.71	1.77	0.31	0.32	0.65	1.85	3.28	36.3	0	33	B	
SO2	0.52	0.96	0.32	2.04	0.25	0.25	0.25	2.33	5.40	93.4	75	85	B	
NH3+NH4+	0.71	0.49	0.53	2.39	0.03	0.10	0.61	1.70	2.13	85.7	1	78	B	
HNO3+NO3	0.36	0.25	0.28	2.06	0.01	0.07	0.29	0.80	1.43	90.1	1	82	B	
SPM	39.2	41.2	28.8	2.1	9.0	9.0	30.0	100.3	231.0	36.3	0	33		

FI0009R UTO FINLAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.64	1.01	1.38	1.80	0.26	0.54	1.32	3.65	4.99	98.9	0	89	C	
SO4--	0.79	0.64	0.50	3.26	0.00	0.06	0.57	1.84	2.86	98.9	0	89	A	
SO2	0.76	1.16	0.36	3.59	0.01	0.03	0.34	2.39	6.98	96.7	0	87	B	
NH3+NH4+	0.47	0.55	0.29	2.81	0.03	0.05	0.28	1.45	3.96	98.9	0	89	A	
HNO3+NO3	0.44	0.49	0.29	2.53	0.02	0.05	0.29	1.39	2.72	96.7	0	87	A	

FI0009R UTO FINLAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.68	1.53	2.24	1.88	0.40	0.56	2.38	5.32	7.60	100.0	0	92	C	
SO4--	0.82	0.59	0.58	2.58	0.03	0.11	0.66	1.96	2.28	100.0	0	92	A	
SO2	0.67	0.45	0.53	2.03	0.09	0.14	0.55	1.57	2.18	100.0	0	92	B	
NH3+NH4+	0.62	0.60	0.38	2.93	0.01	0.08	0.35	1.87	2.33	100.0	0	92	A	
HNO3+NO3	0.45	0.37	0.33	2.27	0.02	0.08	0.36	1.19	1.98	100.0	0	92	A	

FI0009R UTO FINLAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.35	0.83	1.14	1.80	0.35	0.46	1.06	3.02	3.59	100.0	0	92	C	
SO4--	0.56	0.37	0.45	2.01	0.08	0.14	0.51	1.17	2.04	100.0	0	92	A	
SO2	0.26	0.14	0.22	1.71	0.05	0.09	0.22	0.54	0.86	100.0	0	92	B	
NH3+NH4+	0.47	0.33	0.38	1.89	0.12	0.15	0.38	1.11	1.96	100.0	0	92	A	
HNO3+NO3	0.35	0.24	0.27	2.17	0.05	0.07	0.31	0.81	1.22	100.0	0	92	A	

FI0009R UTO FINLAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.90	0.57	0.75	1.85	0.18	0.25	0.73	2.21	3.03	100.0	0	91	C	
SO4--	0.66	0.62	0.46	2.39	0.06	0.12	0.46	2.01	3.36	97.8	0	89	A	
SO2	0.52	0.76	0.32	2.52	0.04	0.08	0.29	1.65	5.59	97.8	0	89	B	
NH3+NH4+	0.45	0.43	0.29	2.73	0.00	0.06	0.26	1.39	2.05	97.8	0	89	A	
HNO3+NO3	0.34	0.23	0.27	2.03	0.06	0.07	0.25	0.77	1.21	97.8	0	89	A	

FI0017R VIROLAHTI II FINLAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.01	1.26	1.67	1.87	0.38	0.57	1.56	4.61	5.85	83.3	0	75	C	
SO4--	1.04	0.62	0.83	2.09	0.10	0.20	1.01	1.99	3.24	100.0	0	90	A	
SO2	1.78	1.94	1.11	2.74	0.09	0.18	1.09	5.68	10.53	100.0	0	90	B	
NH3+NH4+	0.77	0.65	0.55	2.48	0.05	0.11	0.64	1.90	3.60	100.0	0	90	A	
HNO3+NO3	0.34	0.33	0.27	1.91	0.06	0.11	0.25	0.83	2.68	100.0	0	90	A	

FI0017R VIROLAHTI II FINLAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.79	1.15	1.56	1.68	0.37	0.62	1.55	3.02	8.52	100.0	0	92	C	
SO4--	0.91	0.66	0.70	2.16	0.10	0.16	0.66	2.18	3.23	100.0	0	92	A	
SO2	1.19	1.19	0.79	2.69	0.04	0.13	0.93	3.36	7.69	100.0	0	92	B	
NH3+NH4+	1.03	0.94	0.72	2.31	0.12	0.18	0.64	2.91	4.43	100.0	0	92	A	
HNO3+NO3	0.36	0.26	0.29	2.06	0.04	0.08	0.28	0.85	1.64	100.0	0	92	A	

FI0017R VIROLAHTI II FINLAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.87	0.31	0.81	1.48	0.22	0.36	0.85	1.46	1.85	96.7	0	89	C	
SO4--	0.61	0.41	0.47	2.15	0.05	0.12	0.53	1.25	2.05	98.9	0	91	A	
SO2	0.30	0.28	0.21	2.42	0.01	0.05	0.22	0.90	1.65	92.4	0	85	B	
NH3+NH4+	0.98	0.53	0.82	1.90	0.06	0.25	0.89	1.95	2.75	97.8	0	90	A	
HNO3+NO3	0.21	0.14	0.17	2.12	0.02	0.04	0.17	0.45	0.63	92.4	0	85	A	

FI0017R VIROLAHTI II FINLAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.35	0.86	1.15	1.73	0.20	0.53	1.12	2.67	5.21	100.0	0	91	C	
SO4--	0.71	0.62	0.49	2.45	0.06	0.10	0.51	1.71	2.97	100.0	0	91	A	
SO2	0.87	1.29	0.37	3.77	0.03	0.05	0.34	4.07	6.26	100.0	0	91	B	
NH3+NH4+	0.72	0.52	0.57	1.97	0.16	0.20	0.58	2.00	2.37	98.9	0	90	A	
HNO3+NO3	0.22	0.16	0.16	2.32	0.02	0.04	0.17	0.50	0.72	100.0	0	91	A	

FI0022R OULANKA FINLAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.45	0.30	0.35	2.18	0.01	0.10	0.33	1.04	1.45	100.0	0	90	C	
SO4--	0.47	0.30	0.37	2.13	0.03	0.10	0.41	1.02	1.35	97.8	0	88	A	
SO2	1.31	1.49	0.50	5.54	0.01	0.02	0.66	3.86	6.80	97.8	0	88	B	
NH3+NH4+	0.12	0.09	0.08	3.09	0.00	0.00	0.11	0.31	0.44	97.8	0	88	A	
HNO3+NO3	0.06	0.03	0.05	1.63	0.01	0.03	0.05	0.11	0.17	97.8	0	88	A	

FI0022R OULANKA FINLAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.69	0.44	0.60	1.70	0.25	0.25	0.61	1.32	2.54	45.7	0	42	C	
SO4--	0.49	0.38	0.36	2.39	0.01	0.08	0.41	1.16	2.35	100.0	0	92	A	
SO2	0.76	1.17	0.27	4.94	0.01	0.01	0.29	3.26	7.83	100.0	0	92	B	
NH3+NH4+	0.18	0.24	0.11	2.73	0.00	0.03	0.09	0.67	1.53	100.0	0	92	A	
HNO3+NO3	0.08	0.14	0.05	2.63	0.00	0.01	0.06	0.15	1.32	100.0	0	92	A	

FI0022R OULANKA FINLAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.15	0.10	0.12	2.21	0.01	0.03	0.12	0.31	0.53	97.8	0	90	C	
SO4--	0.32	0.20	0.26	1.92	0.05	0.08	0.28	0.64	1.37	100.0	0	92	A	
SO2	0.17	0.28	0.07	3.88	0.01	0.01	0.07	0.50	1.79	100.0	0	92	B	
NH3+NH4+	0.14	0.12	0.10	2.10	0.02	0.03	0.11	0.34	0.81	100.0	0	92	A	
HNO3+NO3	0.04	0.03	0.03	2.27	0.00	0.01	0.03	0.10	0.15	100.0	0	92	A	

FI0022R OULANKA FINLAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.43	0.39	0.30	2.42	0.03	0.06	0.31	1.27	2.19	100.0	0	91	C	
SO4--	0.41	0.40	0.22	3.68	0.00	0.02	0.26	1.28	1.69	96.7	0	88	A	
SO2	0.34	0.48	0.10	5.53	0.01	0.01	0.10	1.54	1.87	96.7	0	88	B	
NH3+NH4+	0.16	0.21	0.06	4.38	0.00	0.00	0.07	0.67	1.11	100.0	0	91	A	
HNO3+NO3	0.05	0.06	0.03	3.30	0.00	0.00	0.03	0.18	0.31	96.7	0	88	A	

FI0037R AHTARI II FINLAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.33	0.73	1.18	1.62	0.38	0.53	1.21	2.33	5.26	96.7	0	87	C	
SO4--	0.64	0.42	0.50	2.21	0.06	0.10	0.61	1.44	1.96	97.8	0	88	A	
SO2	0.84	1.16	0.42	3.32	0.03	0.06	0.40	3.10	6.06	97.8	0	88	B	
NH3+NH4+	0.32	0.33	0.24	2.03	0.04	0.06	0.26	0.67	2.87	97.8	0	88	A	
HNO3+NO3	0.18	0.19	0.14	1.87	0.04	0.05	0.14	0.41	1.69	97.8	0	88	A	

FI0037R AHTARI II FINLAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.09	0.50	0.97	1.62	0.30	0.43	1.04	2.10	2.44	84.8	0	78	C	
SO4--	0.58	0.50	0.43	2.24	0.07	0.12	0.40	1.56	2.70	100.0	0	92	A	
SO2	0.60	0.61	0.32	3.49	0.01	0.05	0.31	1.77	2.57	100.0	0	92	B	
NH3+NH4+	0.45	0.44	0.31	2.29	0.07	0.09	0.28	1.52	1.92	100.0	0	92	A	
HNO3+NO3	0.20	0.18	0.14	2.26	0.01	0.04	0.15	0.49	1.03	100.0	0	92	A	

FI0037R AHTARI II FINLAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.51	0.17	0.48	1.39	0.24	0.25	0.50	0.77	1.04	89.1	0	82	C	
SO4--	0.35	0.25	0.27	2.02	0.04	0.08	0.27	0.92	1.16	97.8	0	90	A	
SO2	0.09	0.19	0.05	2.54	0.01	0.01	0.06	0.19	1.74	97.8	0	90	B	
NH3+NH4+	0.31	0.22	0.25	1.92	0.05	0.08	0.24	0.75	1.29	98.9	0	91	A	
HNO3+NO3	0.10	0.08	0.07	2.18	0.01	0.02	0.06	0.30	0.37	97.8	0	90	A	

FI0037R AHTARI II FINLAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.86	0.46	0.76	1.65	0.31	0.33	0.75	1.93	2.17	100.0	0	91	C	
SO4--	0.55	0.51	0.37	2.65	0.04	0.06	0.39	1.58	2.68	100.0	0	91	A	
SO2	0.26	0.44	0.11	3.55	0.01	0.01	0.09	1.03	2.78	98.9	0	90	B	
NH3+NH4+	0.39	0.31	0.29	2.21	0.04	0.08	0.26	1.07	1.39	100.0	0	91	A	
HNO3+NO3	0.16	0.13	0.11	2.47	0.01	0.03	0.11	0.41	0.65	98.9	0	90	A	

FR0003R LA CROUZILLE FRANCE

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.80	1.23	0.49	2.46	0.08	0.13	0.42	2.39	9.65	98.9	0	89	B	
SO2	0.91	2.10	0.43	3.26	0.05	0.05	0.55	2.68	18.20	98.9	1	89	B	

FR0003R LA CROUZILLE FRANCE

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.79	0.74	0.54	2.41	0.10	0.13	0.60	1.89	4.40	100.0	0	92	B	
SO2	0.57	0.26	0.52	1.54	0.27	0.30	0.48	1.13	1.35	100.0	0	92	B	

FR0003R LA CROUZILLE FRANCE

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.67	0.41	0.55	1.96	0.11	0.15	0.56	1.52	1.89	98.9	0	91	B	
SO2	0.58	0.30	0.52	1.54	0.24	0.28	0.49	1.21	1.95	98.9	0	91	B	

FR0003R LA CROUZILLE FRANCE

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.61	0.55	0.43	2.36	0.07	0.11	0.39	1.59	2.90	89.0	0	81	B	
SO2	0.41	0.18	0.38	1.39	0.26	0.27	0.35	0.82	1.21	89.0	0	81	B	

FR0005R LA HAGUE FRANCE

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.51	0.36	0.40	2.00	0.10	0.14	0.38	1.18	1.66	100.0	0	90	B	
SO2	0.55	0.57	0.35	2.82	0.05	0.05	0.38	1.30	4.30	96.7	1	87	B	

FR0005R LA HAGUE FRANCE

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.60	0.48	0.45	2.12	0.10	0.15	0.46	1.76	2.18	100.0	0	92	B	
SO2	0.81	0.91	0.51	2.45	0.18	0.19	0.38	2.39	5.59	100.0	0	92	B	

FR0005R LA HAGUE FRANCE

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.55	0.36	0.46	1.85	0.04	0.24	0.43	1.38	1.91	100.0	1	92	B	
SO2	0.76	0.51	0.63	1.79	0.27	0.29	0.60	1.97	2.66	100.0	0	92	B	

FR0005R LA HAGUE FRANCE

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.62	0.75	0.45	2.14	0.06	0.14	0.40	1.49	5.88	93.4	0	85	B	
SO2	0.78	0.76	0.58	2.02	0.29	0.31	0.38	2.17	5.00	93.4	0	85	B	

FR0008R DONON FRANCE

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.46	0.43	0.32	2.39	0.04	0.09	0.33	1.25	2.59	100.0	1	90	B	
SO2	1.15	1.13	0.65	3.60	0.05	0.05	0.78	3.38	5.30	100.0	1	90	B	

FR0008R DONON FRANCE

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.60	0.46	0.46	2.05	0.12	0.14	0.49	1.54	2.29	100.0	0	92	B	
SO2	0.79	0.68	0.60	2.03	0.24	0.26	0.56	1.83	4.83	100.0	0	92	B	

FR0008R DONON FRANCE

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.61	0.35	0.53	1.71	0.16	0.22	0.55	1.28	2.48	95.7	0	88	B	
SO2	0.71	0.40	0.62	1.65	0.27	0.28	0.60	1.28	2.97	95.7	0	88	B	

FR0008R DONON FRANCE

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.45	0.34	0.35	2.09	0.07	0.10	0.34	1.15	1.56	100.0	0	91	B	
SO2	0.54	0.45	0.43	1.83	0.25	0.26	0.31	1.74	2.05	100.0	0	91	B	

FR0009R REVIN FRANCE

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.98	0.64	0.79	2.00	0.18	0.25	0.79	2.23	2.53	100.0	0	90	B	
SO2	1.96	1.48	1.43	2.46	0.05	0.35	1.50	5.30	6.13	100.0	1	90	B	

FR0009R REVIN FRANCE

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	1.00	0.71	0.80	2.00	0.14	0.23	0.83	2.43	3.93	100.0	0	92	B	
SO2	1.25	0.96	0.99	1.97	0.28	0.38	1.06	2.97	6.45	100.0	0	92	B	

FR0009R REVIN FRANCE

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.99	0.52	0.87	1.68	0.20	0.37	0.80	1.97	2.66	100.0	0	92	B	
SO2	0.92	0.52	0.79	1.73	0.21	0.31	0.80	1.77	3.07	100.0	0	92	B	

FR0009R REVIN FRANCE

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.97	0.74	0.76	1.98	0.22	0.27	0.66	2.58	3.23	100.0	0	91	B	
SO2	1.00	1.22	0.70	2.10	0.29	0.33	0.60	3.90	7.96	100.0	0	91	B	

FR0010R MORVAN FRANCE

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.55	0.50	0.34	3.29	0.01	0.01	0.41	1.33	3.09	84.4	1	76	B	
SO2	0.98	1.02	0.57	3.19	0.05	0.05	0.68	3.19	4.93	84.4	1	76	B	

FR0010R MORVAN FRANCE

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.73	0.63	0.51	2.46	0.08	0.12	0.55	2.13	2.81	98.9	0	91	B	
SO2	0.71	0.42	0.62	1.67	0.22	0.28	0.57	1.38	2.89	97.8	0	90	B	

FR0010R MORVAN FRANCE

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.69	0.35	0.60	1.70	0.13	0.24	0.66	1.30	1.86	100.0	0	92	B	
SO2	0.60	0.25	0.56	1.47	0.27	0.32	0.56	1.08	1.38	98.9	0	91	B	

FR0010R MORVAN FRANCE

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.58	0.42	0.46	2.07	0.07	0.10	0.43	1.47	1.77	100.0	0	91	B	
SO2	0.57	0.47	0.46	1.80	0.24	0.27	0.36	1.40	2.87	100.0	0	91	B	

FR0011R BONNEVAUX FRANCE

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.49	0.30	0.40	2.04	0.09	0.09	0.44	1.04	1.35	60.0	0	54	B	
SO2	0.35	0.22	0.26	2.45	0.05	0.05	0.31	0.73	0.84	60.0	0	54	B	

FR0011R BONNEVAUX FRANCE

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.48	0.43	0.36	2.16	0.07	0.09	0.34	1.01	2.23	31.5	0	29	B	
SO2	0.58	0.47	0.46	1.86	0.25	0.26	0.32	1.74	1.94	31.5	0	29	B	

FR0012R IRATY FRANCE

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.26	0.19	0.19	2.58	0.01	0.01	0.22	0.57	1.17	91.1	1	82	B	
SO2	0.57	0.79	0.33	3.10	0.05	0.05	0.32	1.47	6.45	91.1	1	82	B	

FR0012R IRATY FRANCE

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.64	0.48	0.48	2.27	0.08	0.10	0.49	1.72	1.90	91.3	0	84	B	
SO2	0.56	0.33	0.50	1.61	0.26	0.28	0.46	1.25	2.36	91.3	0	84	B	

FR0012R IRATY FRANCE

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.72	0.45	0.59	1.89	0.13	0.17	0.58	1.69	1.88	88.0	0	81	B	
SO2	0.77	0.59	0.63	1.82	0.27	0.30	0.59	1.79	2.96	88.0	0	81	B	

FR0012R IRATY FRANCE

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.44	0.39	0.30	2.36	0.07	0.09	0.29	1.16	1.91	81.3	0	74	B	
SO2	0.57	0.51	0.48	1.69	0.28	0.31	0.36	1.43	3.36	81.3	0	74	B	

FR0013R PEYRUSSE VIEILLE FRANCE

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.75	0.53	0.54	2.47	0.03	0.13	0.67	1.49	2.23	65.6	1	59	B	
SO2	0.54	0.34	0.45	1.83	0.10	0.21	0.49	1.10	1.84	65.6	1	59	B	

FR0013R PEYRUSSE VIEILLE FRANCE

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.94	0.71	0.68	2.46	0.09	0.13	0.77	2.44	3.01	98.9	0	91	B	
SO2	0.45	0.20	0.41	1.50	0.21	0.24	0.41	0.88	1.18	100.0	0	92	B	

FR0013R PEYRUSSE VIEILLE FRANCE

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	1.04	0.81	0.79	2.15	0.12	0.18	0.78	2.79	3.83	91.3	0	84	B	
SO2	0.48	0.37	0.42	1.61	0.19	0.20	0.42	0.82	3.19	91.3	0	84	B	

FR0013R PEYRUSSE VIEILLE FRANCE

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.51	0.36	0.41	2.04	0.10	0.10	0.40	1.19	1.90	100.0	0	91	B	
SO2	0.39	0.25	0.36	1.45	0.20	0.20	0.36	0.63	2.41	100.0	0	91	B	

FR0014R MONTANDON FRANCE

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.46	0.36	0.34	2.26	0.03	0.08	0.34	1.23	1.70	66.3	1	61	B	
SO2	0.47	0.34	0.39	1.75	0.13	0.22	0.31	0.93	2.01	66.3	1	61	B	

FR0014R MONTANDON FRANCE

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.53	0.33	0.45	1.81	0.13	0.18	0.44	1.12	1.72	94.6	0	87	B	
SO2	0.44	0.18	0.41	1.45	0.23	0.25	0.39	0.74	1.07	98.9	0	91	B	

FR0014R MONTANDON FRANCE

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.37	0.27	0.29	1.96	0.07	0.10	0.28	0.92	1.32	92.3	0	84	B	
SO2	0.30	0.15	0.28	1.40	0.16	0.22	0.25	0.67	0.94	92.3	0	84	B	

GB0002R ESKDALEMUIR UNITED KINGDOM

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.53	0.38	0.42	2.03	0.08	0.15	0.39	1.27	1.70	100.0	0	90	A	
SO2	0.60	0.56	0.45	2.04	0.14	0.18	0.37	1.51	3.35	100.0	0	90	B	
NH3+NH4+	0.71	0.57	0.51	2.34	0.10	0.14	0.52	1.78	2.45	97.8	0	88	A	
HNO3+NO3	0.26	0.24	0.17	2.51	0.02	0.03	0.17	0.75	1.33	97.8	0	88	A	

GB0002R ESKDALEMUIR UNITED KINGDOM

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.67	0.67	0.48	2.22	0.09	0.16	0.40	2.00	3.70	100.0	0	92	A	
SO2	0.65	0.60	0.49	2.01	0.14	0.21	0.40	1.91	3.48	100.0	0	92	B	
NH3+NH4+	0.87	0.96	0.55	2.71	0.02	0.14	0.50	2.69	6.00	97.8	0	90	A	
HNO3+NO3	0.35	0.43	0.21	2.65	0.03	0.05	0.17	1.06	2.76	96.7	0	89	A	

GB0002R ESKDALEMUIR UNITED KINGDOM

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.45	0.33	0.37	1.85	0.09	0.15	0.36	1.07	1.85	100.0	0	92	A	
SO2	0.38	0.31	0.30	1.91	0.12	0.12	0.28	1.06	1.61	100.0	10	92	B	
NH3+NH4+	0.53	0.45	0.41	2.00	0.10	0.14	0.41	1.52	2.28	98.9	0	91	A	
HNO3+NO3	0.18	0.20	0.12	2.40	0.02	0.03	0.12	0.61	0.96	100.0	0	92	A	

GB0002R ESKDALEMUIR UNITED KINGDOM

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.65	0.86	0.34	3.08	0.03	0.08	0.26	2.46	3.97	100.0	1	91	A	
SO2	0.62	0.59	0.47	1.97	0.20	0.22	0.38	1.93	3.24	100.0	0	91	B	
NH3+NH4+	0.78	0.90	0.42	3.09	0.04	0.07	0.35	2.87	3.43	100.0	0	91	A	
HNO3+NO3	0.36	0.41	0.17	3.68	0.00	0.02	0.16	1.32	1.44	100.0	1	91	A	

GB0004R STOKE FERRY UNITED KINGDOM

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.88	0.65	0.69	2.03	0.11	0.20	0.66	2.13	3.61	100.0	0	90	A	
SO2	2.86	2.53	2.15	2.08	0.54	0.66	1.94	7.66	12.93	98.9	0	89	B	

GB0004R STOKE FERRY UNITED KINGDOM

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	1.04	0.65	0.88	1.81	0.27	0.34	0.86	2.28	3.61	100.0	0	92	A	
SO2	2.07	1.34	1.69	1.90	0.49	0.60	1.53	4.50	6.43	100.0	0	92	B	

GB0004R STOKE FERRY UNITED KINGDOM

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.77	0.42	0.69	1.56	0.32	0.36	0.64	1.50	3.06	100.0	0	92	A	
SO2	1.42	1.13	1.14	1.90	0.12	0.51	1.05	3.50	6.81	98.9	1	91	B	

GB0004R STOKE FERRY UNITED KINGDOM

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.92	0.78	0.69	2.09	0.22	0.26	0.60	2.56	3.33	97.8	0	89	A	
SO2	1.80	1.57	1.44	1.87	0.48	0.59	1.36	4.80	8.44	97.8	0	89	B	

GB0006R LOUGH NAVAR UNITED KINGDOM

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.51	0.61	0.31	2.58	0.03	0.10	0.25	1.68	3.35	92.2	0	83	A	
SO2	0.38	0.28	0.33	1.60	0.12	0.18	0.29	0.73	2.03	91.1	0	82	B	

GB0006R LOUGH NAVAR UNITED KINGDOM

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.60	0.72	0.38	2.42	0.09	0.12	0.31	1.88	4.33	98.9	0	91	A	
SO2	0.35	0.27	0.31	1.60	0.16	0.18	0.27	0.73	2.21	98.9	0	91	B	

GB0006R LOUGH NAVAR UNITED KINGDOM

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.37	0.37	0.28	2.02	0.05	0.11	0.24	1.30	2.05	95.7	0	88	A	
SO2	0.26	0.13	0.24	1.47	0.12	0.13	0.22	0.49	0.90	80.4	0	74	B	

GB0006R LOUGH NAVAR UNITED KINGDOM

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.53	0.80	0.28	2.77	0.03	0.08	0.20	2.41	3.82	96.7	0	88	A	
SO2	0.34	0.25	0.30	1.55	0.14	0.18	0.27	0.69	1.67	97.8	0	89	B	

GB0007R BARCOMB MILLS UNITED KINGDOM

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	1.02	0.63	0.84	1.88	0.24	0.30	0.85	2.27	2.49	100.0	0	90	A	
SO2	1.77	1.81	1.27	2.22	0.26	0.36	1.19	4.60	13.87	100.0	0	90	B	

GB0007R BARCOMB MILLS UNITED KINGDOM

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	1.18	0.62	1.03	1.70	0.32	0.41	1.01	2.26	2.97	71.7	0	66	A	
SO2	0.90	0.89	0.65	2.13	0.18	0.23	0.59	2.43	4.95	71.7	0	66	B	

GB0007R BARCOMB MILLS UNITED KINGDOM

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.94	0.50	0.84	1.62	0.16	0.44	0.80	1.99	2.84	95.7	0	88	A	
SO2	0.62	0.39	0.55	1.59	0.21	0.28	0.52	1.23	3.09	95.7	0	88	B	

GB0007R BARCOMB MILLS UNITED KINGDOM

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.84	0.60	0.68	1.89	0.23	0.29	0.61	2.24	2.62	98.9	0	90	A	
SO2	0.88	0.74	0.71	1.83	0.25	0.29	0.60	1.91	5.83	100.0	0	91	B	

GB0013R YARNER WOOD UNITED KINGDOM

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.91	0.65	0.70	2.16	0.12	0.18	0.67	2.20	2.49	100.0	0	90	A	
SO2	1.15	1.26	0.83	2.12	0.12	0.34	0.65	3.13	8.16	92.2	0	83	B	

GB0013R YARNER WOOD UNITED KINGDOM

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	1.18	0.62	1.03	1.70	0.32	0.41	1.01	2.26	2.97	71.7	0	66	A	
SO2	1.02	1.02	0.78	1.95	0.28	0.35	0.73	2.64	7.56	82.6	0	76	B	

GB0013R YARNER WOOD UNITED KINGDOM

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.94	0.50	0.84	1.62	0.16	0.44	0.80	1.99	2.84	95.7	0	88	A	
SO2	0.69	0.49	0.58	1.72	0.26	0.31	0.49	1.69	2.56	65.2	0	60	B	

GB0013R YARNER WOOD UNITED KINGDOM

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.84	0.60	0.68	1.89	0.23	0.29	0.61	2.24	2.62	98.9	0	90	A	
SO2	0.50	0.54	0.35	2.20	0.12	0.14	0.28	1.82	2.50	93.4	0	85	B	

GB0014R HIGH MUFFLES UNITED KINGDOM

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.72	0.43	0.61	1.82	0.19	0.24	0.53	1.62	1.70	65.6	0	59	A	
SO2	3.68	5.49	1.98	2.91	0.36	0.42	1.82	12.57	33.96	65.6	0	59	B	
NH3+NH4+	1.89	1.51	1.37	2.39	0.00	0.23	1.33	4.98	5.99	71.1	1	64	A	
HNO3+NO3	0.65	0.54	0.49	2.13	0.08	0.12	0.49	1.88	2.52	77.8	0	70	A	

GB0014R HIGH MUFFLES UNITED KINGDOM

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.83	0.55	0.68	1.91	0.07	0.27	0.68	2.09	2.58	100.0	0	92	A	
SO2	2.33	2.52	1.53	2.46	0.30	0.38	1.45	7.26	15.44	100.0	0	92	B	
NH3+NH4+	1.68	1.37	1.25	2.22	0.15	0.33	1.38	3.98	9.11	100.0	0	92	A	
HNO3+NO3	0.78	0.80	0.55	2.26	0.11	0.15	0.54	1.97	5.89	100.0	0	92	A	

GB0014R HIGH MUFFLES UNITED KINGDOM

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.57	0.31	0.50	1.77	0.03	0.23	0.49	1.15	1.62	100.0	1	92	A	
SO2	1.11	1.55	0.58	3.08	0.12	0.12	0.62	4.12	8.03	100.0	21	92	B	
NH3+NH4+	1.32	0.75	1.15	1.73	0.16	0.45	1.17	2.75	4.64	100.0	0	92	A	
HNO3+NO3	0.46	0.36	0.37	1.94	0.08	0.13	0.34	1.06	2.06	100.0	0	92	A	

GB0014R HIGH MUFFLES UNITED KINGDOM

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.76	0.83	0.47	2.67	0.04	0.09	0.41	2.55	3.87	100.0	0	91	A	
SO2	1.01	1.27	0.62	2.57	0.14	0.17	0.58	3.28	8.30	100.0	0	91	B	
NH3+NH4+	1.50	1.18	1.11	2.22	0.26	0.32	1.04	4.02	4.63	92.3	0	84	A	
HNO3+NO3	0.80	0.74	0.51	2.75	0.05	0.10	0.46	2.21	2.84	92.3	0	84	A	

GB0015R STRATHVAICH DAM UNITED KINGDOM

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.84	0.68	0.55	2.79	0.03	0.08	0.63	2.20	2.49	97.8	0	88	A	
SO2	0.85	1.13	0.51	2.71	0.12	0.12	0.53	2.80	8.16	94.4	4	85	B	

GB0015R STRATHVAICH DAM UNITED KINGDOM

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	1.18	0.62	1.03	1.70	0.32	0.41	1.01	2.26	2.97	71.7	0	66	A	
SO2	0.93	1.01	0.65	2.30	0.12	0.12	0.61	2.58	7.56	91.3	8	84	B	

GB0015R STRATHVAICH DAM UNITED KINGDOM

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.94	0.50	0.84	1.62	0.16	0.44	0.80	1.99	2.84	95.7	0	88	A	
SO2	0.50	0.48	0.35	2.35	0.12	0.12	0.40	1.61	2.56	97.8	30	90	B	

GB0015R STRATHVAICH DAM UNITED KINGDOM

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.84	0.60	0.68	1.89	0.23	0.29	0.61	2.24	2.62	98.9	0	90	A	
SO2	0.50	0.54	0.35	2.20	0.12	0.14	0.28	1.82	2.50	93.4	0	85	B	

GB0016R GLEN DYE UNITED KINGDOM

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.39	0.40	0.25	2.59	0.04	0.06	0.25	1.15	2.12	100.0	0	90	A	
SO2	0.71	1.10	0.44	2.31	0.12	0.18	0.32	2.06	8.10	100.0	1	90	B	

GB0016R GLEN DYE UNITED KINGDOM

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.56	0.61	0.34	2.77	0.03	0.08	0.28	1.87	2.65	96.7	1	89	A	
SO2	0.48	0.56	0.34	2.06	0.12	0.17	0.26	1.56	3.61	96.7	2	89	B	

GB0016R GLEN DYE UNITED KINGDOM

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.37	0.35	0.27	2.19	0.07	0.09	0.25	1.15	1.96	100.0	0	92	A	
SO2	0.32	0.32	0.25	1.93	0.12	0.12	0.24	0.87	1.98	100.0	28	92	B	

GB0016R GLEN DYE UNITED KINGDOM

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.55	0.75	0.25	3.40	0.03	0.05	0.21	2.33	3.43	100.0	1	91	A	
SO2	0.48	0.57	0.33	2.11	0.12	0.12	0.25	1.53	2.99	100.0	5	91	B	

GB0036R HARWELL UNITED KINGDOM

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	6.25	4.87	4.47	2.41	0.50	1.00	5.30	15.72	21.60	80.0	0	72	C	

GB0036R HARWELL UNITED KINGDOM

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	5.95	3.60	4.90	1.92	1.30	1.43	5.00	12.74	18.40	93.5	0	86	C	

GB0036R HARWELL UNITED KINGDOM

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.18	1.39	2.91	1.53	1.30	1.38	2.65	6.00	6.40	62.0	0	57	C	

GB0036R HARWELL UNITED KINGDOM

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	6.38	4.62	5.01	2.02	1.10	1.74	4.90	15.34	19.30	74.7	0	68	C	

GB0037R LADYBOWER UNITED KINGDOM

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	4.01	2.73	3.23	1.95	0.80	1.08	3.10	8.68	12.40	83.3	0	75	C	

GB0037R LADYBOWER UNITED KINGDOM

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.58	1.99	2.98	1.94	0.30	0.75	3.40	7.05	9.40	96.7	0	89	C	

GB0037R LADYBOWER UNITED KINGDOM

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.41	1.13	2.18	1.57	0.50	0.96	2.20	4.38	7.20	100.0	0	92	C	

GB0037R LADYBOWER UNITED KINGDOM

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	4.07	2.75	3.41	1.81	0.90	1.15	3.50	8.60	16.60	100.0	0	91	C	

GB0038R LULLINGTON HEATH UNITED KINGDOM

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	5.57	3.58	4.48	2.00	0.90	1.26	4.45	11.54	16.90	81.1	0	73	C	

GB0038R LULLINGTON HEATH UNITED KINGDOM

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.84	2.68	3.06	2.01	0.50	1.04	3.30	8.86	13.70	73.9	0	68	C	

GB0038R LULLINGTON HEATH UNITED KINGDOM

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.26	1.46	3.01	1.48	1.50	1.59	2.85	6.05	8.70	53.3	0	49	C	

GB0038R LULLINGTON HEATH UNITED KINGDOM

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.91	2.53	3.22	1.88	0.70	1.10	3.05	8.07	15.00	97.8	0	89	C	

GB0043R NARBERTH UNITED KINGDOM

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.91	1.31	1.56	1.90	0.40	0.60	1.50	4.23	7.00	60.0	0	54	C	

GB0043R NARBERTH UNITED KINGDOM

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.54	1.11	1.27	1.81	0.50	0.50	1.20	3.17	6.20	79.3	0	73	C	

GB0043R NARBERTH UNITED KINGDOM

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.62	0.47	1.56	1.31	0.70	0.94	1.60	2.21	4.10	75.0	0	69	C	

GB0043R NARBERTH UNITED KINGDOM

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.41	2.20	1.90	1.90	0.40	0.80	1.70	7.01	14.60	85.7	0	78	C	

GB0045R WICKEN FEN UNITED KINGDOM

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	6.27	3.08	5.36	1.87	0.40	1.64	6.10	10.78	14.80	92.2	0	83	C	

GB0045R WICKEN FEN UNITED KINGDOM

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.38	1.47	3.06	1.60	0.70	1.20	2.80	6.20	7.20	87.0	0	80	C	

GB0045R WICKEN FEN UNITED KINGDOM

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.96	1.06	2.77	1.48	0.60	1.30	3.00	4.76	6.50	95.7	0	88	C	

GB0045R WICKEN FEN UNITED KINGDOM

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	5.21	2.67	4.58	1.69	1.50	1.80	4.90	10.50	13.70	87.9	0	80	C	

HU0002R K-PUSZTA HUNGARY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	9.5	16.0	-	-	-61.8	-20.6	8.7	28.7	47.5	47.8	3	43		
NH3	0.36	0.43	0.15	4.68	0.02	0.02	0.21	1.18	2.13	95.6	13	86	B	
NH4+	2.32	1.31	1.84	2.37	0.01	0.40	1.96	4.39	6.64	97.8	0	88	B	
NO2	2.43	1.14	2.20	1.58	0.68	1.00	2.09	4.66	5.89	100.0	0	90	A	
SO4--	1.91	1.20	1.56	1.94	0.25	0.48	1.48	4.16	6.10	98.9	0	89	A	
SO2	6.23	4.51	4.82	2.20	0.10	1.39	4.91	15.11	24.37	98.9	0	89	A	
HNO3+NO3	1.47	0.86	1.24	1.86	0.21	0.37	1.34	3.17	4.69	98.9	0	89	A	

HU0002R K-PUSZTA HUNGARY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	-1.8	41.6	-	-	-280.0	-41.8	4.6	25.5	33.0	58.7	19	54		
NH3	0.63	0.60	0.23	5.95	0.02	0.02	0.50	1.66	2.10	96.7	27	89	B	
NH4+	1.48	1.17	1.10	2.36	0.02	0.31	1.05	3.54	6.66	76.1	0	70	B	
NO2	1.58	1.28	1.12	2.51	0.08	0.18	1.14	4.47	5.40	100.0	0	92	A	
SO4--	1.62	1.04	1.30	2.16	0.02	0.50	1.26	3.42	5.92	76.1	0	70	A	
SO2	3.14	2.41	2.13	3.02	0.01	0.37	2.87	6.68	11.75	76.1	1	70	A	
HNO3+NO3	0.75	0.59	0.62	1.78	0.07	0.27	0.63	1.55	4.41	76.1	0	70	A	

HU0002R K-PUSZTA HUNGARY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	-9.9	23.1	-	-	-118.8	-42.6	-4.5	12.9	21.2	97.8	55	90		
NH3	1.52	0.94	1.20	2.23	0.06	0.27	1.30	2.97	4.69	85.9	0	79	B	
NH4+	1.46	1.12	1.06	2.55	0.02	0.16	1.20	3.12	7.54	98.9	0	91	B	
NO2	1.14	0.51	0.99	1.96	0.01	0.38	1.08	2.25	2.51	100.0	1	92	A	
SO4--	1.89	0.88	1.68	1.67	0.59	0.66	1.87	3.62	4.05	98.9	0	91	A	
SO2	2.37	1.59	1.92	1.95	0.27	0.64	1.88	5.96	7.10	98.9	0	91	A	
HNO3+NO3	0.51	0.19	0.48	1.50	0.12	0.19	0.50	0.76	1.42	98.9	0	91	A	

HU0002R K-PUSZTA HUNGARY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	7.9	15.7	-	-	-83.7	-7.7	6.3	28.4	44.8	95.6	25	87		
NH3	0.75	0.59	0.50	2.83	0.02	0.06	0.61	1.67	3.03	91.2	2	83	B	
NH4+	1.33	1.06	0.90	2.69	0.06	0.13	0.98	3.37	4.33	95.6	0	87	B	
NO2	2.01	1.25	1.67	1.87	0.15	0.62	1.70	4.22	7.34	98.9	0	90	A	
SO4--	1.79	0.95	1.53	1.83	0.27	0.50	1.54	3.38	4.00	95.6	0	87	A	
SO2	3.13	2.60	2.21	2.47	0.13	0.43	2.33	8.38	13.37	95.6	0	87	A	
HNO3+NO3	0.98	0.51	0.86	1.72	0.16	0.36	0.83	2.02	2.39	95.6	0	87	A	

IE0002R TURLOUGH HILL IRELAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.75	0.94	0.47	2.53	0.04	0.13	0.45	2.57	5.58	91.1	0	82	B	
SO2	1.62	2.57	0.38	6.71	0.00	0.01	0.17	6.96	10.64	92.2	3	83	B	

IE0002R TURLOUGH HILL IRELAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.97	1.46	0.49	3.08	0.00	0.10	0.37	4.48	7.77	100.0	1	92	B	
SO2	0.24	0.47	0.13	2.97	0.00	0.02	0.11	0.73	3.93	100.0	1	92	B	

IE0002R TURLOUGH HILL IRELAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.43	0.45	0.28	2.47	0.02	0.07	0.25	1.28	3.06	100.0	0	92	B	
SO2	0.12	0.16	0.05	3.60	0.01	0.01	0.05	0.48	0.79	100.0	0	92	B	

IE0002R TURLOUGH HILL IRELAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.43	0.56	0.26	2.66	-0.04	0.06	0.23	1.72	2.74	100.0	1	91	B	
SO2	0.23	0.44	0.09	3.99	0.00	0.01	0.05	1.04	3.08	100.0	2	91	B	

IE0003R THE BURREN IRELAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.43	0.58	0.24	2.75	0.03	0.06	0.18	1.50	2.71	100.0	0	90	B	

IE0003R THE BURREN IRELAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.47	0.69	0.26	2.93	0.00	0.05	0.20	1.63	4.50	100.0	2	92	B	

IE0003R THE BURREN IRELAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.29	0.33	0.23	2.97	0.00	0.00	0.20	0.84	2.32	100.0	9	92	B	

IE0003R THE BURREN IRELAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.45	0.82	0.17	3.79	0.00	0.02	0.13	2.39	4.35	100.0	2	91	B	

IE0004R RIDGE OF CAPARD IRELAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.36	0.43	0.24	2.35	0.04	0.07	0.21	1.20	2.70	97.8	0	88	B	

IE0004R RIDGE OF CAPARD IRELAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.51	0.67	0.31	2.80	0.00	0.07	0.27	1.79	3.60	100.0	1	92	B	

IE0004R RIDGE OF CAPARD IRELAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.33	0.29	0.24	2.30	0.00	0.07	0.23	1.04	1.41	96.7	1	89	B	

IE0004R RIDGE OF CAPARD IRELAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.22	0.28	0.11	3.67	0.00	0.01	0.07	0.88	1.26	98.9	1	90	B	

IS0002R IRAFOSS ICELAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.17	0.19	0.11	3.03	0.00	0.01	0.10	0.57	0.95	95.6	2	86	A	

IS0002R IRAFOSS ICELAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.23	0.16	0.19	1.88	0.05	0.07	0.20	0.56	0.76	97.8	0	90	A	

IS0002R IRAFOSS ICELAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.20	0.12	0.18	1.70	0.05	0.07	0.17	0.43	0.60	100.0	0	92	A	

IS0002R IRAFOSS ICELAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.11	0.08	0.09	1.93	0.02	0.03	0.09	0.27	0.35	100.0	0	91	A	

IT0001R MONTELIBRETTI ITALY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	1.16	0.50	1.03	1.75	0.12	0.25	1.16	1.94	2.55	85.6	0	77	B	
NH4+	1.63	1.18	1.32	1.93	0.32	0.42	1.27	3.89	6.23	85.6	0	77	B	
NO3-	1.03	0.86	0.76	2.19	0.10	0.17	0.74	2.84	4.12	85.6	0	77	A	
HNO3	0.05	0.04	0.04	2.23	0.00	0.01	0.04	0.12	0.17	85.6	0	77	A	
NO2	3.41	0.94	3.28	1.35	1.55	1.76	3.59	4.59	5.85	52.2	0	47	C	
SO4--	0.75	0.54	0.61	1.95	0.12	0.20	0.61	1.63	2.85	85.6	0	77	A	
SO2	0.75	0.45	0.57	2.55	0.00	0.12	0.70	1.52	2.05	85.6	0	77	A	

IT0001R MONTELIBRETTI ITALY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	1.50	0.65	1.36	1.59	0.35	0.56	1.40	2.65	3.69	100.0	0	92	B	
NH4+	1.38	0.77	1.16	1.87	0.22	0.38	1.28	2.76	3.85	100.0	0	92	B	
NO3-	0.64	0.43	0.51	2.06	0.07	0.13	0.56	1.35	2.80	100.0	0	92	A	
HNO3	0.12	0.08	0.09	2.09	0.01	0.03	0.09	0.26	0.40	100.0	0	92	A	
NO2	5.07	1.84	4.70	1.51	1.18	2.06	4.89	8.23	10.40	100.0	0	92	C	
SO4--	0.92	0.48	0.80	1.77	0.24	0.29	0.85	1.77	2.12	100.0	0	92	A	
SO2	0.66	0.46	0.52	2.08	0.04	0.14	0.57	1.49	2.39	100.0	0	92	A	

IT0001R MONTELIBRETTI ITALY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	2.59	1.02	2.36	1.62	0.27	1.08	2.56	4.41	4.99	100.0	0	92	B	
NH4+	1.55	0.80	1.33	1.79	0.31	0.39	1.50	2.97	4.28	100.0	0	92	B	
NO3-	0.33	0.21	0.28	1.77	0.06	0.10	0.28	0.67	1.34	100.0	0	92	A	
HNO3	0.25	0.14	0.20	2.03	0.04	0.05	0.26	0.50	0.60	100.0	0	92	A	
NO2	5.14	1.69	4.85	1.42	1.87	2.34	5.10	7.86	9.84	78.3	0	72	C	
SO4--	1.34	0.80	1.09	2.04	0.11	0.26	1.27	2.66	3.65	100.0	0	92	A	
SO2	0.84	0.49	0.70	1.90	0.05	0.24	0.73	1.64	2.48	100.0	0	92	A	

IT0001R MONTELIBRETTI ITALY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	1.78	0.76	1.63	1.52	0.49	0.70	1.63	2.91	5.40	100.0	0	91	B	
NH4+	1.23	0.59	1.09	1.65	0.34	0.45	1.08	2.33	3.13	100.0	0	91	B	
NO3-	0.51	0.28	0.43	1.79	0.10	0.13	0.46	1.08	1.29	100.0	0	91	A	
HNO3	0.09	0.08	0.06	2.72	0.00	0.01	0.06	0.21	0.52	100.0	0	91	A	
NO2	3.24	1.46	2.88	1.71	0.25	1.09	2.90	5.62	8.84	97.8	0	89	C	
SO4--	0.86	0.45	0.75	1.68	0.26	0.30	0.71	1.68	2.29	100.0	0	91	A	
SO2	0.51	0.31	0.43	1.86	0.04	0.15	0.44	1.19	1.49	100.0	0	91	A	

IT0004R ISPRA ITALY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	15.0	11.6	-	-	1.0	1.0	12.0	36.5	53.0	100.0	0	90		
NH4+	2.91	2.75	1.84	2.87	0.12	0.28	2.13	7.59	13.72	100.0	0	90	D	
NO3-	2.15	1.99	1.34	3.03	0.04	0.19	1.55	6.04	10.03	100.0	0	90	D	
NO2	10.85	4.02	10.04	1.52	3.10	4.70	10.90	16.70	24.00	100.0	0	90	C	
SO4--	1.10	0.81	0.79	2.47	0.05	0.14	0.91	2.45	3.91	100.0	0	90	A	
SO2	1.39	0.61	1.28	1.51	0.50	0.60	1.30	2.45	3.80	100.0	0	90	D	
SPM	55.7	30.7	47.9	1.8	10.0	15.0	46.0	111.5	163.0	100.0	0	90		

IT0004R ISPRA ITALY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	11.9	9.3	-	-	1.0	1.0	10.0	27.4	34.0	100.0	0	92		
NH4+	2.44	1.74	1.82	2.28	0.28	0.45	2.05	5.98	7.09	100.0	0	92	D	
NO3-	1.54	1.34	1.07	2.44	0.11	0.22	1.13	4.19	6.30	100.0	0	92	D	
NO2	6.98	3.06	6.42	1.50	2.40	3.66	6.00	13.42	16.40	100.0	0	92	C	
SO4--	1.28	0.98	0.89	2.59	0.11	0.16	0.99	3.08	3.44	100.0	0	92	A	
SO2	1.18	0.92	0.94	1.87	0.50	0.50	0.80	3.24	4.70	100.0	0	92	D	
SPM	45.5	20.9	40.7	1.6	15.0	16.6	43.0	78.0	107.0	100.0	0	92		

IT0004R ISPRA ITALY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	12.2	8.7	-	-	1.0	1.0	10.0	32.2	39.0	100.0	0	92		
NH4+	1.68	1.41	1.18	2.48	0.06	0.23	1.18	4.44	6.68	100.0	0	92	D	
NO3-	0.60	0.43	0.46	2.14	0.03	0.14	0.47	1.33	2.28	100.0	0	92	D	
NO2	4.92	1.34	4.76	1.29	2.70	3.06	4.60	7.54	9.40	100.0	0	92	C	
SO4--	1.27	1.02	0.92	2.33	0.16	0.18	0.91	3.23	4.68	100.0	0	92	A	
SO2	0.61	0.20	0.59	1.32	0.50	0.50	0.50	1.00	1.40	100.0	0	92	D	
SPM	31.5	16.2	27.9	1.6	8.0	13.0	28.0	63.8	88.0	100.0	0	92		

IT0004R ISPRA ITALY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	7.1	6.8	-	-	1.0	1.0	5.0	19.0	36.0	100.0	0	91		
NH4+	1.50	1.47	0.71	4.74	0.01	0.02	1.02	4.55	6.05	100.0	0	91	D	
NO3-	1.13	1.19	0.59	3.55	0.04	0.06	0.66	3.76	4.80	100.0	0	91	D	
NO2	6.46	2.85	5.91	1.53	2.30	2.80	6.05	11.94	16.30	100.0	0	91	C	
SO4--	0.61	0.49	0.40	2.90	0.02	0.05	0.45	1.58	1.89	100.0	0	91	A	
SO2	0.94	0.82	0.75	1.82	0.50	0.50	0.50	2.85	4.30	100.0	0	91	D	
SPM	34.2	21.2	27.4	2.1	4.0	6.0	28.0	76.9	88.0	100.0	0	91		

LT0015R PREILA LITHUANIA

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.40	1.06	1.04	2.28	0.13	0.22	1.00	3.23	5.51	97.8	0	88	D	
NO3-	1.03	0.76	0.80	2.09	0.17	0.20	0.83	2.39	3.83	98.9	0	89	D	
NO2	2.84	1.56	2.40	1.86	0.31	0.68	2.46	5.77	7.28	97.8	0	88	B	
SO4--	1.30	0.75	1.12	1.74	0.36	0.43	1.08	2.56	3.71	64.4	0	58	A	
SO2	1.52	0.96	1.24	1.92	0.37	0.43	1.17	3.33	3.92	96.7	0	87	A	
NH3+NH4+	2.90	2.10	2.21	2.17	0.26	0.60	2.35	7.04	9.70	98.9	0	89	A	
HNO3+NO3	1.46	1.12	1.11	2.14	0.19	0.31	1.11	3.57	5.19	96.7	0	87	A	

LT0015R PREILA LITHUANIA

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.17	0.79	0.91	2.15	0.13	0.20	0.91	2.62	3.75	100.0	0	92	D	
NO3-	0.58	0.39	0.48	1.87	0.12	0.19	0.45	1.37	2.07	100.0	0	92	D	
NO2	1.55	0.60	1.43	1.52	0.32	0.67	1.46	2.78	3.53	98.9	0	91	B	
SO4--	1.29	0.76	1.11	1.74	0.37	0.48	1.07	2.56	4.56	100.0	0	92	A	
SO2	1.05	0.84	0.85	1.89	0.23	0.31	0.82	2.98	5.18	98.9	0	91	A	
NH3+NH4+	2.14	1.42	1.64	2.23	0.09	0.36	1.69	4.64	6.46	89.1	0	82	A	
HNO3+NO3	0.74	0.46	0.62	1.87	0.10	0.20	0.56	1.64	2.35	97.8	0	90	A	

LT0015R PREILA LITHUANIA

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.89	0.50	0.74	1.93	0.14	0.17	0.82	1.75	2.55	100.0	0	92	D	
NO3-	0.48	0.23	0.43	1.65	0.13	0.15	0.45	0.83	1.38	100.0	0	92	D	
NO2	3.46	2.18	2.78	2.03	0.29	0.84	3.02	7.72	8.80	81.5	0	75	B	
SO4--	1.00	0.44	0.91	1.57	0.26	0.41	0.90	1.94	2.45	100.0	0	92	A	
SO2	0.37	0.25	0.31	1.91	0.05	0.09	0.30	0.77	1.57	100.0	0	92	A	
NH3+NH4+	1.59	0.99	1.28	2.07	0.15	0.26	1.43	3.47	4.60	100.0	0	92	A	
HNO3+NO3	0.54	0.25	0.49	1.60	0.16	0.20	0.49	0.93	1.55	100.0	0	92	A	

LT0015R PREILA LITHUANIA

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.10	0.86	0.85	2.11	0.13	0.23	0.80	2.58	5.20	98.9	0	90	D	
NO3-	0.49	0.36	0.38	1.96	0.11	0.15	0.31	1.14	1.71	100.0	0	91	D	
NO2	2.21	1.52	1.69	2.19	0.19	0.46	1.84	5.25	6.21	79.1	0	72	B	
SO4--	1.06	0.81	0.86	1.88	0.28	0.34	0.81	2.31	5.03	100.0	0	91	A	
SO2	1.02	0.96	0.73	2.24	0.18	0.21	0.63	3.47	3.89	98.9	0	90	A	
NH3+NH4+	1.64	1.13	1.18	2.80	0.01	0.34	1.39	4.00	5.15	100.0	0	91	A	
HNO3+NO3	0.61	0.42	0.49	1.98	0.08	0.18	0.41	1.58	1.87	100.0	0	91	A	

LV0010R RUCAVA LATVIA

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.12	0.65	0.89	2.19	0.04	0.17	1.13	2.27	3.29	97.8	0	88	D	
NO3-	0.47	0.17	0.43	1.64	0.03	0.16	0.46	0.78	0.92	97.8	0	88	D	
NO2	1.46	0.79	1.29	1.73	0.00	0.50	1.30	3.03	4.20	96.7	1	87	B	
SO4--	0.97	0.74	0.67	2.74	0.03	0.11	0.78	2.42	3.36	97.8	3	88	B	
SO2	0.80	0.75	0.71	2.32	0.00	0.00	0.60	2.26	3.20	97.8	13	88	B	
NH3+NH4+	1.23	0.70	1.01	2.05	0.06	0.24	1.26	2.72	3.51	90.0	0	81	B	
HNO3+NO3	0.56	0.20	0.51	1.57	0.07	0.21	0.56	0.93	1.08	96.7	0	87	B	

LV0010R RUCAVA LATVIA

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.22	0.15	0.18	2.42	0.00	0.01	0.19	0.50	0.64	97.8	10	90	D	
NO3-	0.04	0.07	0.07	2.66	0.00	0.00	0.02	0.12	0.54	100.0	41	92	D	
NO2	0.46	0.29	0.37	2.05	0.00	0.10	0.40	0.90	1.40	100.0	1	92	B	
SO4--	0.13	0.27	0.16	2.67	0.00	0.00	0.07	0.38	1.77	100.0	61	92	B	
SO2	0.30	0.40	0.31	2.26	0.00	0.00	0.20	0.98	2.30	100.0	41	92	B	
NH3+NH4+	0.39	0.21	0.33	1.95	0.03	0.09	0.37	0.73	1.24	97.8	0	90	B	
HNO3+NO3	0.06	0.08	0.05	2.30	0.00	0.00	0.04	0.14	0.62	100.0	21	92	B	

LV0010R RUCAVA LATVIA

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.25	0.11	0.23	1.56	0.07	0.11	0.23	0.42	0.63	100.0	5	92	D	
NO3-	0.03	0.04	0.06	2.63	0.00	0.00	0.02	0.11	0.26	100.0	66	92	D	
NO2	0.45	0.24	0.39	1.66	0.10	0.20	0.40	0.90	1.30	100.0	2	92	B	
SO4--	0.10	0.19	0.13	3.18	0.00	0.00	0.04	0.43	1.05	97.8	77	90	B	
SO2	0.42	0.62	0.39	2.41	0.00	0.00	0.20	1.55	3.60	97.8	58	90	B	
NH3+NH4+	0.38	0.14	0.35	1.49	0.07	0.19	0.36	0.64	0.81	100.0	0	92	B	
HNO3+NO3	0.05	0.06	0.04	2.09	0.01	0.01	0.04	0.13	0.40	100.0	0	92	B	

LV0010R RUCAVA LATVIA

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.30	0.18	0.26	1.70	0.06	0.10	0.25	0.58	1.31	96.7	24	88	D	
NO3-	0.03	0.05	0.02	2.38	0.00	0.01	0.02	0.14	0.31	94.5	19	86	D	
NO2	0.54	0.23	0.49	1.53	0.20	0.20	0.50	1.00	1.30	96.7	2	88	B	
SO4--	0.11	0.15	0.07	2.61	0.00	0.01	0.07	0.28	1.10	84.6	61	77	B	
SO2	0.49	0.76	0.40	2.49	0.00	0.00	0.30	2.08	3.70	92.3	47	84	B	
NH3+NH4+	0.40	0.23	0.37	1.62	0.00	0.16	0.35	0.85	1.49	96.7	1	88	B	
HNO3+NO3	0.03	0.04	0.03	2.23	0.00	0.01	0.02	0.12	0.19	89.0	2	81	B	

LV0016R ZOSENI LATVIA

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.73	0.70	0.53	2.19	0.14	0.15	0.44	1.77	3.48	30.0	0	27	D	
NO3-	0.20	0.18	0.13	2.77	0.02	0.02	0.12	0.55	0.71	32.2	0	29	D	
NO2	0.99	0.67	0.83	1.81	0.30	0.30	0.85	2.34	3.20	32.2	0	29	B	
SO4--	0.45	0.42	0.30	2.65	0.04	0.05	0.36	1.30	1.79	32.2	0	29	B	
SO2	0.63	0.48	0.47	2.24	0.10	0.10	0.45	1.60	1.70	32.2	0	29	B	
NH3+NH4+	0.85	0.73	0.65	2.09	0.15	0.18	0.62	1.95	3.68	30.0	0	27	B	
HNO3+NO3	0.25	0.20	0.19	2.17	0.04	0.05	0.20	0.63	0.94	32.2	0	29	B	

LV0016R ZOSENI LATVIA

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.71	0.49	0.56	2.06	0.05	0.14	0.54	1.71	2.39	91.3	0	84	D	
NO3-	0.15	0.17	0.10	3.06	0.00	0.00	0.08	0.63	0.69	90.2	16	83	D	
NO2	0.52	0.22	0.48	1.51	0.10	0.30	0.50	0.80	1.70	91.3	0	84	B	
SO4--	0.47	0.59	0.26	3.83	0.00	0.00	0.21	1.69	2.63	91.3	18	84	B	
SO2	0.65	0.95	0.51	2.71	0.00	0.00	0.30	2.40	4.50	90.2	28	83	B	
NH3+NH4+	0.88	0.54	0.72	1.95	0.08	0.20	0.72	2.05	2.55	91.3	0	84	B	
HNO3+NO3	0.17	0.18	0.12	2.85	0.00	0.01	0.12	0.63	0.75	90.2	5	83	B	

LV0016R ZOSENI LATVIA

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.50	0.29	0.43	1.77	0.08	0.16	0.44	1.06	1.50	100.0	2	92	D	
NO3-	0.04	0.05	0.05	2.55	0.00	0.00	0.03	0.17	0.22	92.4	18	85	D	
NO2	0.38	0.19	0.35	1.54	0.20	0.20	0.30	0.74	1.00	100.0	0	92	B	
SO4--	0.20	0.39	0.10	3.38	0.00	0.01	0.07	0.85	2.39	97.8	58	90	B	
SO2	0.56	0.62	0.38	2.55	0.00	0.09	0.30	2.00	3.30	85.9	30	79	B	
NH3+NH4+	0.73	0.34	0.66	1.57	0.23	0.32	0.65	1.45	1.88	100.0	0	92	B	
HNO3+NO3	0.08	0.07	0.07	2.38	0.00	0.01	0.07	0.19	0.47	89.1	3	82	B	

LV0016R ZOSENI LATVIA

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.56	0.38	0.46	1.93	0.10	0.15	0.47	1.43	1.63	97.8	1	89	D	
NO3-	0.14	0.12	0.10	2.35	0.01	0.02	0.10	0.38	0.70	96.7	0	88	D	
NO2	0.61	0.28	0.55	1.57	0.20	0.30	0.50	1.00	1.70	97.8	0	89	B	
SO4--	0.19	0.17	0.13	2.90	0.00	0.01	0.14	0.51	0.81	96.7	42	88	B	
SO2	0.59	0.67	0.42	2.51	0.00	0.00	0.30	1.64	3.90	78.0	19	71	B	
NH3+NH4+	0.78	0.46	0.65	1.82	0.22	0.25	0.68	1.72	1.90	97.8	0	89	B	
HNO3+NO3	0.17	0.14	0.12	2.24	0.03	0.03	0.13	0.44	0.73	82.4	0	75	B	

NL0009R KOLLUMERWAARD NETHERLANDS

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.64	1.33	1.22	2.20	0.22	0.34	1.21	4.32	7.07	100.0	0	90	A	
NO3-	1.07	0.97	0.75	2.37	0.12	0.17	0.86	2.76	5.57	100.0	3	90	A	
NO2	5.45	3.81	4.04	2.37	0.31	0.92	4.27	12.44	17.69	91.1	0	82	C	
SO4--	0.91	0.66	0.70	2.12	0.14	0.16	0.67	2.06	3.48	100.0	0	90	A	
SO2	1.16	0.97	1.16	1.78	-0.50	0.00	1.00	2.51	3.51	90.0	15	81	D	

NL0009R KOLLUMERWAARD NETHERLANDS

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.68	1.13	1.31	2.08	0.19	0.45	1.41	3.82	4.53	98.9	0	91	A	
NO3-	1.03	0.75	0.75	2.37	0.12	0.16	0.74	2.51	2.66	98.9	2	91	A	
NO2	2.88	1.87	2.28	2.12	0.31	0.61	2.44	5.80	10.06	100.0	0	92	C	
SO4--	0.96	0.62	0.77	2.01	0.13	0.22	0.85	2.38	2.84	98.9	1	91	A	
SO2	0.52	0.63	0.81	1.48	-0.50	-0.22	0.50	1.50	4.01	98.9	32	91	D	

NL0009R KOLLUMERWAARD NETHERLANDS

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.24	0.77	1.01	1.92	0.26	0.29	1.03	2.75	3.68	98.9	0	91	A	
NO3-	0.74	0.48	0.60	1.96	0.13	0.15	0.64	1.71	2.33	98.9	8	91	A	
NO2	1.94	1.10	1.57	2.04	0.31	0.31	1.83	3.96	4.27	100.0	0	92	C	
SO4--	0.91	0.50	0.78	1.77	0.19	0.30	0.82	1.78	2.49	98.9	0	91	A	
SO2	0.56	0.57	0.83	1.48	-0.50	0.00	0.50	1.70	2.51	100.0	30	92	D	

NL0009R KOLLUMERWAARD NETHERLANDS

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.65	1.32	1.21	2.26	0.14	0.33	1.23	4.38	5.95	98.9	0	90	A	
NO3-	0.96	0.72	0.72	2.23	0.15	0.16	0.76	2.19	3.73	98.9	7	90	A	
NO2	4.66	3.64	3.52	2.18	0.31	0.92	3.36	13.56	15.25	100.0	0	91	C	
SO4--	1.03	0.81	0.78	2.14	0.19	0.20	0.72	2.90	3.53	98.9	0	90	A	
SO2	0.68	0.60	0.83	1.57	0.00	0.00	0.50	1.50	2.51	49.5	11	45	D	

NL0010R VREEDEPEEL NETHERLANDS

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	9.79	6.58	7.63	2.11	1.57	2.21	8.12	20.91	27.79	83.3	0	75	D	
NH4+	1.82	1.33	1.34	2.44	0.02	0.34	1.48	4.72	5.70	98.9	0	89	A	
NO3-	1.00	0.79	0.75	2.25	0.09	0.15	0.71	2.63	3.82	98.9	3	89	A	
NO2	9.07	4.80	7.73	1.82	1.83	2.74	8.23	17.26	21.35	97.8	0	88	C	
SO4--	0.96	0.70	0.73	2.16	0.17	0.17	0.81	2.29	3.50	98.9	2	89	A	
SO2	3.02	2.74	2.24	2.17	0.00	0.50	2.00	8.52	17.03	100.0	2	90	D	

NL0010R VREEDEPEEL NETHERLANDS

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	9.76	6.02	8.34	1.77	2.21	2.85	9.23	18.63	40.84	67.4	0	62	D	
NH4+	1.55	1.10	1.21	2.20	-0.55	0.33	1.19	3.67	4.93	100.0	1	92	A	
NO3-	0.91	0.66	0.70	2.09	0.11	0.20	0.68	2.17	3.25	100.0	2	92	A	
NO2	7.03	3.19	6.34	1.60	1.52	2.45	6.41	13.08	17.69	88.0	0	81	C	
SO4--	0.87	0.61	0.68	2.06	0.13	0.17	0.67	2.07	3.08	100.0	1	92	A	
SO2	1.83	1.56	1.47	2.09	-0.50	0.00	1.50	5.01	5.51	95.7	7	88	D	

NL0010R VREEDEPEEL NETHERLANDS

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	14.17	7.34	12.49	1.66	3.95	5.60	11.68	27.80	37.45	81.5	0	75	D	
NH4+	1.69	1.10	1.39	1.95	0.11	0.46	1.45	3.33	7.07	97.8	0	90	A	
NO3-	0.92	0.67	0.76	1.85	0.17	0.24	0.75	1.97	4.21	97.8	2	90	A	
NO2	5.62	1.99	5.27	1.43	2.44	2.74	5.18	9.09	10.98	89.1	0	82	C	
SO4--	0.99	0.55	0.85	1.80	0.10	0.32	0.90	1.98	3.47	97.8	3	90	A	
SO2	1.23	0.90	1.18	1.74	-0.50	-0.20	1.00	3.01	3.51	100.0	11	92	D	

NL0010R VREEDEPEEL NETHERLANDS

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	11.90	7.39	9.94	1.84	2.35	3.82	9.55	26.39	34.85	75.8	0	69	D	
NH4+	1.78	1.23	1.41	2.04	0.13	0.44	1.44	3.93	6.01	100.0	0	91	A	
NO3-	1.01	0.66	0.82	1.93	0.15	0.28	0.84	2.06	3.89	100.0	2	91	A	
NO2	8.13	3.73	7.29	1.62	2.44	3.05	7.32	14.82	16.47	90.1	0	82	C	
SO4--	1.06	0.73	0.84	1.98	0.26	0.31	0.81	2.57	3.23	100.0	1	91	A	
SO2	1.48	1.27	1.28	1.92	-0.50	0.00	1.00	3.51	6.01	52.7	5	48	D	

NO0001R BIRKENES NORWAY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.94	0.97	0.53	3.19	0.01	0.08	0.45	2.94	3.83	97.8	1	88	A	
SO4--	0.33	0.29	0.22	2.58	0.01	0.05	0.25	1.02	1.19	85.6	0	77	A	
SO2	0.14	0.17	0.07	3.34	0.01	0.01	0.08	0.40	1.14	86.7	10	78	A	
NH3+NH4+	0.29	0.27	0.21	2.19	0.03	0.06	0.19	0.72	1.84	85.6	0	77	A	
HNO3+NO3	0.16	0.16	0.12	2.03	0.03	0.04	0.10	0.38	1.01	85.6	0	77	A	

NO0001R BIRKENES NORWAY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.55	0.69	0.39	2.23	0.05	0.10	0.40	1.12	5.15	100.0	0	92	A	
SO4--	0.55	0.41	0.41	2.27	0.08	0.09	0.38	1.37	1.76	91.3	0	84	A	
SO2	0.24	0.22	0.14	3.17	0.01	0.02	0.18	0.66	0.92	91.3	4	84	A	
NH3+NH4+	0.54	0.49	0.37	2.49	0.03	0.08	0.38	1.33	2.97	90.2	0	83	A	
HNO3+NO3	0.23	0.32	0.14	2.64	0.03	0.03	0.12	0.72	2.08	91.3	0	84	A	

NO0001R BIRKENES NORWAY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.45	0.27	0.36	2.14	0.01	0.09	0.37	0.96	1.15	97.8	1	90	A	
SO4--	0.43	0.45	0.28	2.56	0.04	0.06	0.29	1.16	3.27	98.9	0	91	A	
SO2	0.15	0.16	0.08	3.42	0.01	0.01	0.07	0.50	0.65	97.8	12	90	A	
NH3+NH4+	0.41	0.34	0.32	2.00	0.08	0.11	0.29	0.94	2.30	98.9	0	91	A	
HNO3+NO3	0.19	0.15	0.14	2.27	0.02	0.03	0.13	0.50	0.71	90.2	0	83	A	

NO0001R BIRKENES NORWAY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.69	0.98	0.41	2.99	0.01	0.05	0.47	1.87	8.34	100.0	2	91	A	
SO4--	0.49	0.57	0.25	3.51	0.01	0.03	0.25	1.68	2.98	97.8	0	89	A	
SO2	0.12	0.14	0.06	3.88	0.01	0.01	0.06	0.38	0.74	97.8	27	89	A	
NH3+NH4+	0.41	0.54	0.20	3.61	0.03	0.03	0.22	1.38	3.05	97.8	0	89	A	
HNO3+NO3	0.16	0.29	0.08	3.09	0.01	0.02	0.07	0.55	1.88	97.8	0	89	A	

NO0008R SKREAADALEN NORWAY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.71	0.87	0.43	2.57	0.08	0.12	0.36	2.27	4.20	100.0	0	90	A	
SO4--	0.22	0.22	0.14	2.67	0.02	0.02	0.13	0.72	0.99	100.0	0	90	A	
SO2	0.11	0.20	0.05	3.79	0.01	0.01	0.04	0.47	1.11	100.0	23	90	A	
NH3+NH4+	1.28	0.69	1.06	2.04	0.03	0.37	1.11	2.37	2.87	100.0	0	90	A	
HNO3+NO3	0.12	0.11	0.09	2.30	0.01	0.02	0.08	0.34	0.58	100.0	0	90	A	

NO0008R SKREAADALEN NORWAY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.51	0.58	0.39	2.03	0.01	0.16	0.40	1.09	5.24	100.0	1	92	A	
SO4--	0.46	0.44	0.28	3.09	0.00	0.04	0.25	1.27	2.25	92.4	1	85	A	
SO2	0.17	0.21	0.09	3.41	0.01	0.01	0.07	0.63	1.13	100.0	8	92	A	
NH3+NH4+	1.85	0.91	1.53	2.21	0.03	0.45	1.73	3.50	3.89	92.4	0	85	A	
HNO3+NO3	0.20	0.25	0.12	2.72	0.02	0.02	0.11	0.81	1.20	92.4	0	85	A	

NO0008R SKREAADALEN NORWAY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.37	0.14	0.34	1.67	0.01	0.16	0.37	0.61	0.65	100.0	1	92	A	
SO4--	0.34	0.31	0.25	2.30	0.03	0.07	0.22	1.01	1.37	100.0	0	92	A	
SO2	0.08	0.15	0.04	3.36	0.01	0.01	0.03	0.29	1.15	92.4	30	85	A	
NH3+NH4+	1.67	0.73	1.49	1.71	0.11	0.53	1.52	2.84	3.49	100.0	0	92	A	
HNO3+NO3	0.16	0.13	0.12	2.10	0.02	0.04	0.10	0.42	0.60	92.4	0	85	A	

NO0008R SKREAADALEN NORWAY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.50	0.84	0.31	2.30	0.05	0.10	0.25	1.72	6.95	98.9	0	90	A	
SO4--	0.32	0.43	0.14	4.03	0.00	0.01	0.14	1.25	2.31	98.9	3	90	A	
SO2	0.12	0.25	0.04	4.28	0.01	0.01	0.03	0.69	1.37	100.0	40	91	A	
NH3+NH4+	0.87	0.51	0.73	1.83	0.12	0.28	0.69	1.77	2.47	100.0	0	91	A	
HNO3+NO3	0.12	0.17	0.06	2.85	0.01	0.02	0.05	0.53	0.86	98.9	0	90	A	

NO0015R TUSTERVATN NORWAY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.19	0.24	0.12	2.45	0.01	0.04	0.10	0.74	1.66	100.0	3	90	A	
SO4--	0.20	0.18	0.13	2.97	0.00	0.02	0.16	0.49	1.07	98.9	1	89	A	
SO2	0.17	0.27	0.06	4.42	0.01	0.01	0.05	0.71	1.41	98.9	16	89	A	
NH3+NH4+	0.75	0.80	0.46	2.74	0.07	0.10	0.47	2.29	4.25	98.9	0	89	A	
HNO3+NO3	0.05	0.03	0.04	1.71	0.02	0.02	0.04	0.10	0.12	98.9	0	89	A	

NO0015R TUSTERVATN NORWAY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.15	0.09	0.13	1.85	0.01	0.05	0.12	0.31	0.72	97.8	3	90	A	
SO4--	0.29	0.30	0.19	2.60	0.00	0.05	0.17	0.91	1.38	100.0	1	92	A	
SO2	0.13	0.25	0.05	3.59	0.01	0.01	0.04	0.72	1.35	96.7	19	89	A	
NH3+NH4+	1.20	0.92	0.86	2.40	0.11	0.17	0.93	2.81	4.11	100.0	0	92	A	
HNO3+NO3	0.07	0.09	0.05	1.86	0.02	0.02	0.05	0.15	0.84	96.7	0	89	A	

NO0015R TUSTERVATN NORWAY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.21	0.10	0.17	2.25	0.01	0.01	0.21	0.37	0.53	97.8	6	90	A	
SO4--	0.16	0.11	0.12	2.08	0.00	0.04	0.12	0.40	0.47	100.0	1	92	A	
SO2	0.04	0.03	0.03	2.11	0.01	0.01	0.04	0.10	0.16	95.7	19	88	A	
NH3+NH4+	1.30	1.01	0.97	2.20	0.14	0.26	0.90	3.41	4.42	100.0	0	92	A	
HNO3+NO3	0.07	0.08	0.05	2.13	0.01	0.02	0.05	0.31	0.37	95.7	0	88	A	

NO0015R TUSTERVATN NORWAY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.19	0.17	0.13	2.62	0.01	0.01	0.14	0.51	0.89	100.0	6	91	A	
SO4--	0.18	0.22	0.10	2.96	0.00	0.02	0.09	0.75	1.02	100.0	1	91	A	
SO2	0.06	0.09	0.03	2.87	0.01	0.01	0.04	0.22	0.65	100.0	30	91	A	
NH3+NH4+	0.82	1.02	0.50	2.68	0.03	0.12	0.47	2.85	7.19	100.0	0	91	A	
HNO3+NO3	0.05	0.04	0.04	1.88	0.02	0.02	0.03	0.12	0.24	100.0	0	91	A	

NO0039R KAARVATN NORWAY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.29	0.36	0.17	2.72	0.01	0.04	0.16	1.11	1.80	98.9	1	89	A	
SO4--	0.08	0.06	0.06	2.16	0.00	0.02	0.06	0.19	0.29	100.0	0	90	A	
SO2	0.06	0.14	0.02	3.10	0.01	0.01	0.01	0.20	0.95	100.0	36	90	A	
NH3+NH4+	0.15	0.09	0.12	1.81	0.03	0.05	0.12	0.32	0.52	100.0	0	90	A	
HNO3+NO3	0.05	0.05	0.04	1.86	0.02	0.02	0.04	0.12	0.27	100.0	0	90	A	

NO0039R KAARVATN NORWAY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.20	0.15	0.18	1.59	0.06	0.09	0.17	0.32	1.28	100.0	0	92	A	
SO4--	0.26	0.22	0.19	2.36	0.04	0.05	0.19	0.76	0.88	96.7	0	89	A	
SO2	0.06	0.07	0.04	2.65	0.01	0.01	0.04	0.20	0.33	96.7	22	89	A	
NH3+NH4+	0.33	0.25	0.24	2.29	0.03	0.04	0.24	0.81	1.23	96.7	0	89	A	
HNO3+NO3	0.06	0.06	0.05	1.91	0.01	0.02	0.04	0.14	0.45	96.7	0	89	A	

NO0039R KAARVATN NORWAY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.34	0.20	0.29	1.88	0.05	0.09	0.31	0.60	1.39	100.0	0	92	A	
SO4--	0.15	0.14	0.11	2.48	0.00	0.03	0.11	0.46	0.80	98.9	2	91	A	
SO2	0.06	0.11	0.04	2.01	0.01	0.01	0.04	0.11	1.01	100.0	8	92	A	
NH3+NH4+	0.47	0.43	0.37	1.94	0.08	0.12	0.38	1.02	3.66	97.8	0	90	A	
HNO3+NO3	0.05	0.03	0.05	1.75	0.01	0.02	0.05	0.11	0.15	98.9	0	91	A	

NO0039R KAARVATN NORWAY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.30	0.21	0.24	2.19	0.01	0.05	0.27	0.67	1.19	100.0	1	91	A	
SO4--	0.13	0.18	0.07	3.00	0.00	0.01	0.06	0.44	1.27	98.9	3	90	A	
SO2	0.04	0.05	0.02	2.29	0.01	0.01	0.02	0.09	0.32	98.9	38	90	A	
NH3+NH4+	0.37	0.30	0.28	2.24	0.02	0.07	0.31	0.89	1.73	84.6	0	77	A	
HNO3+NO3	0.04	0.04	0.03	1.77	0.01	0.02	0.03	0.07	0.22	98.9	0	90	A	

NO0041R OSEN NORWAY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.81	0.66	0.57	2.63	0.01	0.09	0.61	2.05	3.75	98.9	2	89	A	
SO4--	0.20	0.19	0.12	2.94	0.00	0.01	0.12	0.63	0.86	100.0	1	90	A	
SO2	0.08	0.13	0.03	3.26	0.01	0.01	0.03	0.33	0.73	98.9	23	89	A	
NH3+NH4+	0.28	0.22	0.22	1.95	0.03	0.07	0.22	0.71	1.45	98.9	0	89	A	
HNO3+NO3	0.10	0.10	0.08	1.91	0.02	0.03	0.08	0.22	0.89	98.9	0	89	A	

NO0041R OSEN NORWAY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.32	0.31	0.25	1.84	0.09	0.12	0.22	0.89	2.39	100.0	0	92	A	
SO4--	0.34	0.36	0.20	3.06	0.00	0.04	0.17	1.12	1.58	97.8	1	90	A	
SO2	0.13	0.25	0.05	3.51	0.01	0.01	0.04	0.51	1.90	97.8	16	90	A	
NH3+NH4+	0.53	0.65	0.36	2.29	0.05	0.08	0.33	1.34	4.34	97.8	0	90	A	
HNO3+NO3	0.12	0.22	0.07	2.58	0.01	0.02	0.06	0.42	1.78	97.8	0	90	A	

NO0041R OSEN NORWAY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.25	0.12	0.22	1.59	0.07	0.10	0.23	0.46	0.69	95.7	0	88	A	
SO4--	0.17	0.24	0.10	2.93	0.00	0.02	0.09	0.59	1.37	100.0	1	92	A	
SO2	0.05	0.14	0.03	2.28	0.01	0.01	0.03	0.10	1.32	100.0	19	92	A	
NH3+NH4+	0.28	0.18	0.25	1.64	0.09	0.10	0.26	0.56	1.25	100.0	0	92	A	
HNO3+NO3	0.10	0.10	0.07	2.55	0.02	0.02	0.05	0.30	0.45	92.4	0	85	A	

NO0041R OSEN NORWAY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.54	0.61	0.36	2.41	0.01	0.10	0.33	1.61	4.20	98.9	1	90	A	
SO4--	0.31	0.41	0.13	4.35	0.00	0.01	0.13	1.15	2.20	100.0	4	91	A	
SO2	0.08	0.18	0.03	3.41	0.01	0.01	0.03	0.47	1.04	100.0	41	91	A	
NH3+NH4+	0.42	0.84	0.26	2.41	0.03	0.06	0.26	1.07	7.94	100.0	0	91	A	
HNO3+NO3	0.09	0.11	0.05	2.52	0.01	0.02	0.05	0.29	0.52	100.0	0	91	A	

NO0042R SPITZBERGEN NORWAY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.22	0.15	0.16	2.51	0.00	0.03	0.20	0.46	0.60	95.6	0	86	A	
SO2	0.38	0.58	0.13	4.62	0.01	0.01	0.13	1.62	3.09	95.6	1	86	A	
NH3+NH4+	0.11	0.06	0.09	1.83	0.03	0.03	0.09	0.22	0.35	94.4	0	85	A	
HNO3+NO3	0.06	0.04	0.05	1.86	0.02	0.02	0.04	0.11	0.30	95.6	0	86	A	

NO0042R SPITZBERGEN NORWAY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.28	0.16	0.24	1.87	0.04	0.05	0.22	0.55	0.76	76.1	0	70	A	
SO2	0.29	0.61	0.07	5.20	0.01	0.01	0.05	1.60	3.42	76.1	17	70	A	
NH3+NH4+	0.12	0.07	0.10	1.98	0.03	0.03	0.12	0.22	0.35	76.1	0	70	A	
HNO3+NO3	0.04	0.01	0.03	1.37	0.02	0.02	0.04	0.05	0.07	76.1	0	70	A	

NO0042R SPITZBERGEN NORWAY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.13	0.11	0.08	3.19	0.00	0.00	0.09	0.35	0.48	88.0	5	81	A	
SO2	0.08	0.06	0.06	1.97	0.01	0.02	0.06	0.16	0.41	88.0	3	81	A	
NH3+NH4+	0.19	0.12	0.15	2.14	0.03	0.03	0.17	0.42	0.49	88.0	0	81	A	
HNO3+NO3	0.07	0.07	0.05	2.17	0.02	0.02	0.05	0.25	0.34	88.0	0	81	A	

NO0042R SPITZBERGEN NORWAY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.06	0.07	0.04	2.84	0.00	0.00	0.04	0.19	0.39	96.7	10	88	A	
SO2	0.04	0.03	0.03	2.20	0.01	0.01	0.03	0.11	0.18	96.7	25	88	A	
NH3+NH4+	0.10	0.08	0.08	2.14	0.03	0.03	0.09	0.31	0.35	91.2	0	83	A	
HNO3+NO3	0.03	0.02	0.03	1.73	0.01	0.02	0.02	0.08	0.12	96.7	0	88	A	

NO0055R KARASJOK NORWAY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.23	0.24	0.16	2.49	0.01	0.03	0.16	0.69	1.40	100.0	3	90	A	
SO4--	0.38	0.29	0.26	2.79	0.00	0.04	0.32	0.93	1.19	97.8	0	88	A	
SO2	1.34	2.43	0.32	6.59	0.01	0.01	0.35	6.33	12.19	90.0	0	81	A	
NH3+NH4+	0.35	0.29	0.26	2.82	0.00	0.01	0.30	1.01	1.24	97.8	3	88	A	
HNO3+NO3	0.07	0.03	0.06	1.61	0.02	0.02	0.06	0.14	0.18	90.0	0	81	A	

NO0055R KARASJOK NORWAY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.30	0.28	0.18	2.94	0.01	0.03	0.17	0.77	1.50	100.0	4	92	A	
SO4--	0.39	0.32	0.27	2.54	0.02	0.05	0.29	1.03	1.47	95.7	0	88	A	
SO2	0.62	1.43	0.14	6.10	0.01	0.01	0.10	2.48	11.24	94.6	13	87	A	
NH3+NH4+	0.46	0.36	0.33	2.31	0.06	0.08	0.32	1.14	1.55	95.7	0	88	A	
HNO3+NO3	0.06	0.07	0.05	1.75	0.02	0.02	0.05	0.10	0.62	90.2	0	83	A	

NO0055R KARASJOK NORWAY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.21	0.12	0.16	2.27	0.01	0.01	0.18	0.44	0.63	97.8	6	90	A	
SO4--	0.37	0.30	0.27	2.32	0.02	0.06	0.28	1.04	1.38	90.2	0	83	A	
SO2	0.95	1.68	0.29	5.12	0.01	0.03	0.27	3.79	11.95	90.2	2	83	A	
NH3+NH4+	0.37	0.25	0.31	1.90	0.06	0.09	0.33	0.87	1.40	90.2	0	83	A	
HNO3+NO3	0.09	0.10	0.06	2.16	0.02	0.02	0.06	0.34	0.46	90.2	0	83	A	

NO0055R KARASJOK NORWAY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.26	0.19	0.17	3.18	0.01	0.01	0.24	0.64	0.83	100.0	11	91	A	
SO4--	0.24	0.24	0.13	3.28	0.00	0.02	0.14	0.74	0.94	98.9	2	90	A	
SO2	0.76	2.56	0.10	6.17	0.01	0.01	0.06	3.21	17.68	97.8	15	89	A	
NH3+NH4+	0.63	0.69	0.41	2.46	0.06	0.11	0.38	1.58	4.11	98.9	0	90	A	
HNO3+NO3	0.05	0.04	0.04	1.81	0.02	0.02	0.04	0.10	0.28	97.8	0	89	A	

PL0002R JARCZEW POLAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.74	1.08	1.39	2.07	0.16	0.28	1.44	3.72	4.70	100.0	0	90	D	
NO3-	1.06	0.80	0.81	2.18	0.12	0.17	0.91	2.85	4.58	100.0	0	90	D	
NO2	4.17	2.11	3.69	1.65	1.30	1.50	3.60	8.00	10.10	100.0	0	90	B	
SO4--	1.59	1.01	1.29	1.96	0.25	0.34	1.39	3.54	5.47	100.0	0	90	A	
SO2	4.52	2.43	3.89	1.78	0.60	1.40	3.80	9.20	11.60	100.0	0	90	B	
NH3+NH4+	2.73	1.71	2.25	1.91	0.34	0.67	2.38	5.54	8.57	94.4	0	85	A	
HNO3+NO3	1.30	0.78	1.08	1.89	0.19	0.32	1.18	2.70	4.58	93.3	0	84	A	
SPM	0.9	0.9	1.2	1.4	0.0	0.0	1.0	3.0	4.0	65.6	19	59		

PL0002R JARCZEW POLAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.84	0.84	1.65	1.62	0.43	0.75	1.63	3.26	4.26	66.3	0	61	D	
NO3-	0.55	0.34	0.48	1.71	0.17	0.19	0.45	1.00	1.89	65.2	0	60	D	
NO2	1.93	0.80	1.79	1.48	0.70	1.00	1.80	3.55	4.50	97.8	0	90	B	
SO4--	1.86	0.68	1.72	1.54	0.35	0.71	1.91	2.84	3.64	66.3	0	61	A	
SO2	2.03	1.19	1.60	2.21	0.10	0.30	1.80	3.89	5.70	66.3	0	61	B	
NH3+NH4+	2.89	1.76	2.38	1.92	0.52	0.80	2.42	6.22	8.21	100.0	0	92	A	
HNO3+NO3	0.65	0.38	0.56	1.75	0.14	0.24	0.58	1.17	2.26	100.0	0	92	A	
SPM	0.2	0.4	1.0	1.1	0.0	0.0	0.0	1.0	2.0	100.0	78	92		

PL0002R JARCZEW POLAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.57	0.88	1.34	1.80	0.18	0.50	1.47	3.43	3.92	96.7	0	89	D	
NO3-	0.44	0.23	0.38	1.74	0.06	0.16	0.39	0.85	1.17	96.7	0	89	D	
NO2	1.78	0.49	1.72	1.32	0.90	1.00	1.70	2.72	3.10	95.7	0	88	B	
SO4--	1.63	0.85	1.40	1.81	0.20	0.43	1.45	3.13	4.51	96.7	0	89	A	
SO2	1.49	0.89	1.25	1.84	0.20	0.40	1.20	3.21	5.10	96.7	0	89	B	
NH3+NH4+	2.68	1.74	2.28	1.75	0.47	0.92	2.24	5.60	12.44	96.7	0	89	A	
HNO3+NO3	0.52	0.24	0.46	1.65	0.13	0.16	0.46	0.93	1.19	96.7	0	89	A	
SPM	0.0	0.2	1.0	1.0	0.0	0.0	0.0	0.0	1.0	96.7	86	89		

PL0002R JARCZEW POLAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.57	1.04	1.25	2.08	0.17	0.28	1.28	3.50	5.48	100.0	0	91	D	
NO3-	0.52	0.37	0.39	2.35	0.03	0.06	0.46	1.28	1.69	100.0	0	91	D	
NO2	2.37	1.07	2.12	1.65	0.40	0.86	2.30	4.14	5.30	100.0	0	91	B	
SO4--	1.47	0.77	1.27	1.77	0.21	0.42	1.23	2.77	3.98	100.0	0	91	A	
SO2	2.92	2.31	2.05	2.48	0.30	0.40	2.20	6.93	11.20	100.0	0	91	B	
NH3+NH4+	2.48	1.81	2.04	1.91	0.20	0.75	1.98	6.51	10.60	100.0	0	91	A	
HNO3+NO3	0.69	0.40	0.56	2.08	0.04	0.12	0.66	1.43	1.97	100.0	0	91	A	
SPM	0.2	0.4	1.0	1.0	0.0	0.0	0.0	1.0	1.0	100.0	74	91		

PL0003R SNIEZKA POLAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.41	0.25	0.36	1.71	0.06	0.14	0.37	0.81	1.79	97.8	0	88	D	
NO3-	0.10	0.08	0.08	1.92	0.02	0.03	0.08	0.23	0.42	97.8	0	88	D	
NO2	1.23	0.90	0.94	2.19	0.10	0.20	1.00	3.06	4.80	97.8	0	88	B	
SO4--	0.46	0.30	0.37	2.07	0.05	0.10	0.42	1.08	1.45	97.8	0	88	A	
SO2	1.59	0.96	1.31	1.94	0.20	0.30	1.40	3.40	5.70	97.8	0	88	B	
NH3+NH4+	0.96	0.46	0.82	1.87	0.13	0.23	1.05	1.57	2.05	65.6	0	59	A	
HNO3+NO3	0.15	0.12	0.12	1.82	0.04	0.05	0.11	0.39	0.79	97.8	0	88	A	
SPM	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	63.3	57	57		

PL0003R SNIEZKA POLAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.88	0.76	0.57	2.87	0.03	0.06	0.71	2.21	3.89	97.8	0	90	D	
NO3-	0.49	0.37	0.33	2.80	0.03	0.04	0.48	0.98	2.10	97.8	0	90	D	
NO2	1.24	0.54	1.15	1.46	0.60	0.70	1.10	2.45	3.20	97.8	0	90	B	
SO4--	1.00	0.63	0.81	2.03	0.10	0.22	0.82	2.27	2.77	97.8	0	90	A	
SO2	1.55	0.79	1.31	1.89	0.20	0.40	1.50	2.85	3.50	97.8	0	90	B	
NH3+NH4+	1.49	1.23	1.07	2.43	0.06	0.20	1.27	3.55	7.74	97.8	0	90	A	
HNO3+NO3	0.71	0.52	0.50	2.63	0.04	0.07	0.65	1.42	3.09	97.8	0	90	A	
SPM	0.3	0.5	1.0	1.1	0.0	0.0	0.0	1.0	3.0	97.8	67	90		

PL0003R SNIEZKA POLAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.99	0.77	0.70	2.48	0.03	0.13	0.76	2.57	3.41	100.0	0	92	D	
NO3-	0.39	0.25	0.31	2.14	0.03	0.09	0.35	0.78	1.12	100.0	0	92	D	
NO2	1.06	0.30	1.02	1.33	0.50	0.60	1.00	1.60	1.80	100.0	0	92	B	
SO4--	0.95	0.53	0.77	2.05	0.10	0.16	0.95	1.77	2.45	100.0	0	92	A	
SO2	1.48	0.82	1.25	1.82	0.30	0.40	1.30	2.90	4.00	100.0	0	92	B	
NH3+NH4+	1.71	1.21	1.28	2.30	0.09	0.27	1.38	4.02	5.60	100.0	0	92	A	
HNO3+NO3	0.71	0.34	0.63	1.73	0.14	0.22	0.65	1.33	1.56	100.0	0	92	A	
SPM	0.2	0.4	1.0	1.0	0.0	0.0	0.0	1.0	1.0	100.0	72	92		

PL0003R SNIEZKA POLAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.68	0.52	0.50	2.29	0.07	0.11	0.53	1.74	2.25	100.0	0	91	D	
NO3-	0.29	0.16	0.23	2.07	0.03	0.05	0.28	0.56	0.66	100.0	0	91	D	
NO2	1.59	0.64	1.47	1.52	0.50	0.70	1.50	2.55	3.80	100.0	0	91	B	
SO4--	0.69	0.41	0.58	1.80	0.10	0.22	0.61	1.43	2.58	100.0	0	91	A	
SO2	1.68	0.97	1.40	1.90	0.30	0.35	1.50	3.19	5.20	100.0	0	91	B	
NH3+NH4+	1.01	0.67	0.80	2.05	0.12	0.21	0.84	2.19	3.86	100.0	0	91	A	
HNO3+NO3	0.34	0.17	0.29	1.81	0.05	0.10	0.32	0.58	0.71	100.0	0	91	A	
SPM	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	100.0	91	91		

PL0004R LEBA POLAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.41	1.15	0.95	2.74	0.03	0.17	1.18	3.26	6.81	100.0	0	90	D	
NO3-	0.93	0.71	0.66	2.45	0.06	0.11	0.80	2.37	2.89	98.9	0	89	D	
NO2	2.93	2.09	2.27	2.11	0.30	0.65	2.30	7.25	9.90	100.0	0	90	B	
SO4--	1.36	0.86	1.08	2.15	0.10	0.28	1.20	2.83	4.31	100.0	0	90	A	
SO2	2.28	1.86	1.69	2.26	0.20	0.35	1.80	5.80	9.90	100.0	0	90	B	
NH3+NH4+	1.62	1.12	1.26	2.15	0.21	0.30	1.37	3.39	7.02	100.0	0	90	A	
HNO3+NO3	1.01	0.73	0.75	2.35	0.08	0.14	0.90	2.38	2.90	100.0	0	90	A	
SPM	0.7	0.8	1.1	1.3	0.0	0.0	0.0	2.0	2.0	65.6	31	59		

PL0004R LEBA POLAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.86	0.73	0.61	2.38	0.07	0.10	0.61	2.46	3.40	92.4	0	85	D	
NO3-	0.47	0.40	0.36	2.04	0.06	0.11	0.37	0.94	2.46	92.4	0	85	D	
NO2	1.35	0.75	1.16	1.80	0.30	0.31	1.30	2.49	4.00	89.1	0	82	B	
SO4--	1.53	0.98	1.20	2.09	0.19	0.28	1.25	3.37	4.21	92.4	0	85	A	
SO2	1.62	1.11	1.29	2.07	0.10	0.30	1.35	3.33	6.90	92.4	0	85	B	
NH3+NH4+	1.34	0.92	1.04	2.15	0.11	0.25	1.03	2.86	4.30	92.4	0	85	A	
HNO3+NO3	0.57	0.42	0.46	1.95	0.12	0.14	0.48	1.26	2.63	92.4	0	85	A	
SPM	0.1	0.4	1.0	1.1	0.0	0.0	0.0	1.0	2.0	92.4	78	85		

PL0004R LEBA POLAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.74	0.46	0.58	2.20	0.03	0.12	0.65	1.65	2.12	100.0	0	92	D	
NO3-	0.37	0.21	0.30	1.97	0.02	0.09	0.32	0.73	1.07	100.0	0	92	D	
NO2	0.97	0.45	0.88	1.56	0.30	0.50	0.90	1.85	2.60	97.8	0	90	B	
SO4--	0.98	0.60	0.73	2.52	0.10	0.10	0.95	2.01	2.32	94.6	0	87	A	
SO2	0.84	0.62	0.61	2.35	0.10	0.16	0.70	1.94	2.80	100.0	0	92	B	
NH3+NH4+	1.25	0.69	1.06	1.88	0.16	0.22	1.23	2.25	4.37	100.0	0	92	A	
HNO3+NO3	0.46	0.23	0.40	1.77	0.06	0.13	0.44	0.87	1.16	100.0	0	92	A	
SPM	0.0	0.2	1.0	1.0	0.0	0.0	0.0	0.0	1.0	100.0	89	92		

PL0004R LEBA POLAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.12	0.99	0.80	2.40	0.03	0.14	0.77	3.01	5.25	100.0	0	91	D	
NO3-	0.36	0.29	0.27	2.16	0.02	0.09	0.25	0.99	1.25	100.0	0	91	D	
NO2	1.75	1.66	1.36	1.94	0.40	0.50	1.20	4.00	10.40	100.0	0	91	B	
SO4--	1.10	0.90	0.81	2.37	0.10	0.10	0.87	2.28	4.96	100.0	0	91	A	
SO2	1.84	2.33	1.02	2.99	0.10	0.16	1.00	8.35	10.20	100.0	0	91	B	
NH3+NH4+	1.39	1.04	1.08	2.09	0.14	0.30	1.10	3.34	5.44	100.0	0	91	A	
HNO3+NO3	0.38	0.30	0.29	2.10	0.07	0.09	0.27	1.04	1.29	100.0	0	91	A	
SPM	0.1	0.2	1.0	1.0	0.0	0.0	0.0	1.0	1.0	100.0	85	91		

PL0005R DIABLA GORA POLAND

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.54	1.42	0.91	3.50	0.02	0.04	1.05	4.54	5.97	94.4	6	85	A	
SO4--	1.69	0.98	1.41	1.89	0.33	0.48	1.53	3.38	4.65	93.3	0	84	B	
SO2	2.43	1.91	1.83	2.18	0.28	0.40	1.75	5.64	10.14	97.8	0	88	A	
NH3+NH4+	1.49	1.10	1.11	2.43	0.01	0.26	1.23	3.46	6.26	98.9	1	89	B	
HNO3+NO3	1.09	0.74	0.83	2.20	0.06	0.25	0.89	2.22	3.36	90.0	1	81	B	

PL0005R DIABLA GORA POLAND

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.32	0.22	0.23	2.57	0.03	0.03	0.29	0.69	0.97	98.9	14	91	A	
SO4--	1.29	0.76	1.05	2.07	0.05	0.28	1.21	2.77	3.78	97.8	1	90	B	
SO2	1.02	0.88	0.68	2.70	0.05	0.09	0.81	2.34	5.04	98.9	4	91	A	
NH3+NH4+	1.22	0.67	0.96	2.42	0.01	0.17	1.12	2.44	3.18	95.7	1	88	B	
HNO3+NO3	0.52	0.29	0.46	1.63	0.16	0.21	0.47	0.94	2.19	97.8	0	90	B	

PL0005R DIABLA GORA POLAND

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.29	0.35	0.14	3.38	0.05	0.05	0.05	1.00	1.68	98.9	50	91	A	
SO4--	0.82	0.59	0.64	2.10	0.09	0.19	0.69	1.84	3.54	100.0	0	92	B	
SO2	0.37	0.32	0.27	2.34	0.05	0.05	0.28	0.93	2.17	95.7	9	88	A	
NH3+NH4+	1.09	0.62	0.76	3.39	0.01	0.02	1.07	2.07	3.16	100.0	4	92	B	
HNO3+NO3	0.35	0.14	0.32	1.50	0.12	0.16	0.35	0.64	0.89	97.8	0	90	B	

PL0005R DIABLA GORA POLAND

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.69	0.67	0.47	2.48	0.05	0.09	0.51	1.92	3.79	96.7	1	88	A	
SO4--	1.29	1.21	0.95	2.15	0.18	0.29	0.85	3.26	7.14	98.9	0	90	B	
SO2	1.33	1.63	0.71	3.12	0.05	0.15	0.63	5.26	8.39	98.9	1	90	A	
NH3+NH4+	1.16	0.83	0.77	3.27	0.01	0.03	0.96	2.76	3.66	96.7	4	88	B	
HNO3+NO3	0.60	0.38	0.49	1.91	0.11	0.15	0.50	1.33	1.77	94.5	0	86	B	

RU0001R JANISKOSKI RUSSIAN FEDERATION

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.21	0.13	0.19	1.99	0.00	0.01	0.18	0.43	0.51	75.6	18	68	D	
NO3-	0.04	0.03	0.04	1.80	0.00	0.01	0.03	0.10	0.11	75.6	14	68	D	
SO4--	0.42	0.27	0.33	2.34	0.00	0.04	0.37	0.87	0.98	75.6	1	68	B	
SO2	1.49	2.01	0.96	3.21	0.00	0.00	0.90	5.08	11.80	75.6	18	68	B	
NH3+NH4+	0.21	0.13	0.17	2.09	0.03	0.03	0.20	0.46	0.55	75.6	8	68	B	

RU0001R JANISKOSKI RUSSIAN FEDERATION

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.26	0.33	0.17	2.69	0.01	0.02	0.17	0.64	2.45	83.7	33	77	D	
NO3-	0.06	0.16	0.04	2.44	0.01	0.01	0.03	0.15	1.37	83.7	26	77	D	
SO4--	0.47	0.44	0.29	2.97	0.01	0.04	0.34	1.16	2.49	83.7	6	77	B	
SO2	0.69	1.49	0.55	2.94	0.00	0.00	0.10	2.70	11.20	83.7	39	77	B	
NH3+NH4+	0.26	0.39	0.17	2.34	0.02	0.04	0.17	0.64	3.18	83.7	19	77	B	

RU0001R JANISKOSKI RUSSIAN FEDERATION

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.22	0.13	0.18	2.18	0.00	0.02	0.20	0.45	0.68	83.7	23	77	D	
NO3-	0.04	0.03	0.04	1.96	0.00	0.01	0.03	0.09	0.19	83.7	29	77	D	
SO4--	0.33	0.28	0.23	2.49	0.01	0.05	0.22	0.93	1.35	83.7	4	77	B	
SO2	1.36	2.47	0.64	3.81	0.00	0.00	0.30	7.06	11.00	83.7	31	77	B	
NH3+NH4+	0.26	0.12	0.23	1.73	0.04	0.09	0.25	0.50	0.59	83.7	5	77	B	

RU0001R JANISKOSKI RUSSIAN FEDERATION

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.23	0.18	0.18	1.98	0.04	0.05	0.17	0.56	1.01	54.9	22	50	D	
NO3-	0.06	0.08	0.04	2.51	0.00	0.01	0.03	0.25	0.33	54.9	19	50	D	
SO4--	0.46	0.31	0.35	2.22	0.03	0.08	0.40	0.92	1.41	54.9	1	50	B	
SO2	1.69	3.34	0.67	4.19	0.00	0.00	0.30	8.15	16.00	54.9	19	50	B	
NH3+NH4+	0.28	0.18	0.23	2.06	0.02	0.05	0.26	0.60	0.97	54.9	6	50	B	

RU0013R PINEGA RUSSIAN FEDERATION

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.56	0.22	0.51	1.52	0.17	0.25	0.52	0.93	0.99	42.2	1	38	D	
NO3-	0.04	0.03	0.04	1.99	0.00	0.00	0.03	0.08	0.14	42.2	24	38	D	
SO4--	0.64	0.30	0.56	1.66	0.19	0.20	0.59	1.15	1.29	42.2	0	38	B	
SO2	0.67	0.68	0.48	2.38	0.00	0.09	0.40	1.86	3.10	42.2	3	38	B	

RU0013R PINEGA RUSSIAN FEDERATION

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.53	0.32	0.45	1.79	0.13	0.15	0.46	0.97	1.74	43.5	4	40	D	
NO3-	0.03	0.02	0.03	1.97	0.00	0.00	0.03	0.07	0.10	43.5	33	40	D	
SO4--	0.48	0.35	0.42	1.88	0.00	0.12	0.45	1.01	2.04	43.5	1	40	B	
SO2	0.61	0.57	0.45	2.35	0.00	0.10	0.40	1.50	3.00	43.5	5	40	B	

RU0013R PINEGA RUSSIAN FEDERATION

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.36	0.61	0.23	2.63	0.00	0.00	0.19	0.72	2.89	22.8	11	21	D	
NO3-	0.04	0.03	0.03	1.98	0.01	0.01	0.03	0.07	0.13	22.8	17	21	D	
SO4--	0.20	0.11	0.17	1.75	0.06	0.06	0.18	0.36	0.47	22.8	3	21	B	
SO2	0.37	0.50	0.31	1.89	0.00	0.00	0.20	0.50	2.50	22.8	2	21	B	

RU0013R PINEGA RUSSIAN FEDERATION

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.30	0.29	0.21	2.33	0.05	0.05	0.16	0.94	0.98	18.7	10	17	D	
NO3-	0.03	0.01	0.03	1.43	0.02	0.02	0.03	0.05	0.06	18.7	14	17	D	
SO4--	0.40	0.33	0.32	1.93	0.12	0.12	0.25	1.13	1.22	18.7	0	17	B	
SO2	0.15	0.16	0.21	1.85	0.00	0.00	0.10	0.36	0.70	18.7	11	17	B	

RU0016R SHEPELJOVO RUSSIAN FEDERATION

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.72	0.53	0.58	2.16	0.00	0.09	0.62	1.59	3.22	80.0	10	72	D	
NO3-	0.16	0.16	0.12	2.03	0.01	0.05	0.11	0.35	1.08	80.0	1	72	D	
SO4--	0.85	0.79	0.63	2.29	0.04	0.14	0.82	1.68	6.21	80.0	1	72	B	
SO2	1.51	1.00	1.24	2.08	0.00	0.06	1.30	3.30	4.70	80.0	3	72	B	

RU0016R SHEPELJOVO RUSSIAN FEDERATION

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.78	0.67	0.56	2.39	0.00	0.11	0.51	2.16	2.76	96.7	9	89	D	
NO3-	0.26	0.20	0.20	2.10	0.02	0.07	0.21	0.69	1.06	96.7	2	89	D	
SO4--	0.77	0.63	0.56	2.31	0.03	0.15	0.52	1.90	3.71	96.7	2	89	B	
SO2	1.71	1.15	1.32	2.19	0.20	0.30	1.40	3.76	4.70	96.7	0	89	B	

RU0016R SHEPELJOVO RUSSIAN FEDERATION

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.42	0.36	0.37	2.04	0.00	0.00	0.31	1.21	1.71	73.9	16	68	D	
NO3-	0.19	0.11	0.17	1.79	0.00	0.04	0.18	0.40	0.52	73.9	2	68	D	
SO4--	0.51	0.28	0.43	1.92	0.04	0.11	0.47	0.91	1.49	73.9	1	68	B	
SO2	0.70	0.59	0.56	1.87	0.10	0.24	0.50	1.36	4.30	73.9	1	68	B	

RU0016R SHEPELJOVO RUSSIAN FEDERATION

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.42	0.33	0.34	2.54	0.00	0.00	0.32	1.01	1.46	79.1	26	72	D	
NO3-	0.12	0.08	0.10	2.09	0.01	0.03	0.12	0.26	0.35	79.1	7	72	D	
SO4--	0.54	0.40	0.42	2.10	0.07	0.12	0.44	1.39	1.74	79.1	0	72	B	
SO2	1.03	0.92	0.77	2.18	0.00	0.20	0.70	2.70	4.60	79.1	2	72	B	

SE0002R RORVIK SWEDEN

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.81	2.10	2.24	1.96	0.41	0.68	2.07	7.03	12.16	98.9	0	89	A	
SO4--	0.78	0.59	0.59	2.22	0.07	0.14	0.65	1.68	3.61	97.8	0	88	A	
SO2	0.61	0.41	0.48	2.14	0.02	0.14	0.52	1.29	2.15	97.8	0	88	A	
NH3+NH4+	1.00	1.11	0.64	2.63	0.08	0.12	0.63	2.69	7.40	97.8	7	88	A	
HNO3+NO3	0.69	0.76	0.43	2.69	0.05	0.08	0.39	2.16	4.21	97.8	1	88	A	
SPM	1.9	2.3	1.2	2.3	0.7	0.7	0.7	6.2	12.0	65.6	37	59		

SE0002R RORVIK SWEDEN

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.41	0.65	1.25	1.65	0.34	0.49	1.35	2.60	3.01	98.9	0	91	A	
SO4--	0.77	0.61	0.54	2.47	0.06	0.09	0.59	2.06	2.57	93.5	0	86	A	
SO2	0.67	0.55	0.49	2.29	0.05	0.11	0.47	1.85	2.43	91.3	0	84	A	
NH3+NH4+	1.16	1.08	0.78	2.52	0.07	0.18	0.82	3.27	4.79	91.3	1	84	A	
HNO3+NO3	0.57	0.61	0.38	2.39	0.05	0.10	0.34	1.70	3.57	90.2	2	83	A	
SPM	1.7	2.2	1.2	2.2	0.7	0.7	0.7	5.2	14.9	100.0	62	92		

SE0002R RORVIK SWEDEN

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.93	0.52	0.82	1.64	0.23	0.34	0.80	1.79	3.42	98.9	0	91	A	
SO4--	0.55	0.41	0.41	2.24	0.05	0.09	0.44	1.32	2.12	89.1	0	82	A	
SO2	0.51	0.27	0.44	1.78	0.05	0.19	0.47	1.08	1.17	89.1	0	82	A	
NH3+NH4+	0.75	0.40	0.66	1.65	0.16	0.31	0.66	1.73	2.03	88.0	0	81	A	
HNO3+NO3	0.41	0.29	0.33	2.03	0.06	0.09	0.34	1.03	1.33	89.1	0	82	A	
SPM	0.8	0.3	0.7	1.3	0.7	0.7	0.7	1.2	2.7	94.6	82	87		

SE0002R RORVIK SWEDEN

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.43	1.07	1.13	2.05	0.06	0.42	1.06	3.42	6.01	100.0	1	91	A	
SO4--	0.88	0.95	0.52	3.01	0.01	0.08	0.45	2.90	4.53	98.9	0	90	A	
SO2	0.52	0.68	0.30	2.80	0.02	0.05	0.27	2.05	3.69	98.9	0	90	A	
NH3+NH4+	1.00	1.06	0.63	2.65	0.05	0.13	0.57	3.14	6.53	98.9	5	90	A	
HNO3+NO3	0.37	0.41	0.24	2.60	0.01	0.05	0.20	1.13	2.41	98.9	0	90	A	
SPM	2.7	4.9	1.4	2.7	0.7	0.7	0.7	8.6	34.4	100.0	56	91		

SE0005R BREDKALEN SWEDEN

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.36	0.47	0.23	2.53	0.04	0.04	0.22	1.13	3.36	100.0	5	90	A	
SO4--	0.18	0.26	0.11	3.35	0.00	0.00	0.07	0.74	1.29	98.9	7	89	A	
SO2	0.15	0.31	0.05	3.49	0.02	0.02	0.03	0.54	1.96	98.9	0	89	A	
NH3+NH4+	0.07	0.09	0.04	2.73	0.01	0.01	0.03	0.29	0.47	98.9	37	89	A	
HNO3+NO3	0.04	0.03	0.04	1.88	0.00	0.01	0.04	0.09	0.19	98.9	2	89	A	
SPM	0.8	0.5	0.8	1.4	0.7	0.7	0.7	0.8	2.9	65.6	56	59		

SE0005R BREDKALEN SWEDEN

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.20	0.12	0.17	1.79	0.04	0.06	0.16	0.42	0.78	100.0	4	92	A	
SO4--	0.29	0.29	0.18	3.00	0.00	0.02	0.19	0.96	1.25	100.0	1	92	A	
SO2	0.15	0.26	0.07	3.50	0.00	0.01	0.05	0.53	1.51	100.0	1	92	A	
NH3+NH4+	0.21	0.25	0.12	2.97	0.01	0.02	0.12	0.64	1.57	100.0	21	92	A	
HNO3+NO3	0.06	0.10	0.04	2.35	0.00	0.01	0.04	0.17	0.97	100.0	7	92	A	
SPM	0.7	0.2	0.7	1.2	0.7	0.7	0.7	0.7	2.3	100.0	90	92		

SE0005R BREDKALEN SWEDEN

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.12	0.10	0.09	1.96	0.04	0.04	0.10	0.21	0.66	100.0	28	92	A	
SO4--	0.15	0.14	0.11	2.49	0.00	0.01	0.12	0.43	0.66	98.9	2	91	A	
SO2	0.05	0.05	0.05	2.30	0.00	0.00	0.03	0.16	0.21	98.9	9	91	A	
NH3+NH4+	0.15	0.12	0.11	2.49	0.00	0.02	0.12	0.40	0.67	98.9	19	91	A	
HNO3+NO3	0.03	0.03	0.03	1.87	0.00	0.01	0.03	0.07	0.18	98.9	11	91	A	
SPM	0.7	0.0	0.7	1.0	0.7	0.7	0.7	0.7	0.7	100.0	92	92		

SE0005R BREDKALEN SWEDEN

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.25	0.22	0.19	2.10	0.04	0.04	0.19	0.65	1.62	100.0	7	91	A	
SO4--	0.23	0.31	0.12	3.49	0.00	0.02	0.10	0.94	1.50	100.0	2	91	A	
SO2	0.07	0.12	0.05	2.92	0.00	0.00	0.02	0.34	0.75	100.0	8	91	A	
NH3+NH4+	0.18	0.22	0.11	2.69	0.02	0.03	0.09	0.64	1.13	100.0	18	91	A	
HNO3+NO3	0.04	0.03	0.03	2.04	0.01	0.01	0.03	0.09	0.20	100.0	4	91	A	
SPM	0.8	0.4	0.8	1.4	0.7	0.7	0.7	1.9	2.7	100.0	83	91		

SE0008R HOBURG SWEDEN

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.62	1.50	1.09	2.60	0.03	0.24	1.00	4.84	6.39	93.3	1	84	A	
SO4--	0.71	0.60	0.48	2.91	0.00	0.04	0.55	1.65	2.78	100.0	1	90	A	
SO2	0.91	0.99	0.58	2.57	0.09	0.12	0.55	2.71	6.49	100.0	0	90	A	
SPM	2.5	4.8	1.3	2.6	0.7	0.7	0.7	10.1	29.5	64.4	38	58		

SE0008R HOBURG SWEDEN

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.99	0.64	0.83	1.82	0.29	0.34	0.81	2.49	2.97	97.8	0	90	A	
SO4--	0.82	0.60	0.60	2.42	0.07	0.12	0.68	1.93	2.55	90.2	0	83	A	
SO2	0.60	0.50	0.41	2.70	0.02	0.07	0.44	1.52	2.16	91.3	0	84	A	
SPM	2.0	2.1	1.3	2.3	0.7	0.7	0.7	7.1	9.1	98.9	54	91		

SE0008R HOBURG SWEDEN

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.80	0.38	0.73	1.56	0.31	0.34	0.70	1.42	2.52	98.9	0	91	A	
SO4--	0.56	0.42	0.41	2.30	0.04	0.10	0.48	1.33	2.00	98.9	0	91	A	
SO2	0.44	0.27	0.37	1.86	0.10	0.13	0.39	0.90	1.43	97.8	0	90	A	
SPM	0.9	0.5	0.8	1.4	0.7	0.7	0.7	2.0	4.4	97.8	81	90		

SE0008R HOBURG SWEDEN

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.79	0.67	0.64	1.83	0.22	0.26	0.58	1.62	4.07	98.9	0	90	A	
SO4--	0.76	0.78	0.50	2.53	0.06	0.13	0.46	2.25	4.31	96.7	0	88	A	
SO2	0.84	1.56	0.43	2.81	0.06	0.09	0.42	3.42	10.47	96.7	0	88	A	
SPM	3.1	3.7	1.8	2.9	0.7	0.7	0.7	10.1	18.1	100.0	47	91		

SE0011R VAVIHILL SWEDEN

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.12	2.37	2.34	2.21	0.37	0.53	2.34	7.98	10.69	100.0	0	90	A	
SO4--	0.73	0.55	0.56	2.18	0.05	0.10	0.60	1.59	3.60	100.0	0	90	A	
SO2	0.92	1.01	0.61	2.55	0.05	0.12	0.66	2.28	7.35	100.0	0	90	A	
NH3+NH4+	1.08	1.03	0.74	2.55	0.05	0.13	0.81	2.39	6.85	100.0	5	90	A	
HNO3+NO3	0.74	0.66	0.51	2.45	0.08	0.10	0.58	1.81	3.70	100.0	0	90	A	
SPM	2.5	3.0	1.5	2.7	0.7	0.7	0.7	8.3	15.8	65.6	35	59		

SE0011R VAVIHILL SWEDEN

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.21	0.81	1.01	1.82	0.36	0.41	0.89	2.71	4.53	98.9	0	91	A	
SO4--	0.78	0.69	0.52	2.68	0.04	0.09	0.56	2.29	3.04	98.9	0	91	A	
SO2	0.69	0.88	0.41	2.75	0.02	0.09	0.37	2.38	4.99	98.9	0	91	A	
NH3+NH4+	1.22	1.02	0.82	2.77	0.03	0.08	0.90	3.60	4.45	98.9	3	91	A	
HNO3+NO3	0.52	0.50	0.36	2.31	0.03	0.11	0.35	1.51	2.87	98.9	0	91	A	
SPM	2.2	2.6	1.4	2.4	0.7	0.7	0.7	8.0	14.5	100.0	56	92		

SE0011R VAVIHILL SWEDEN

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.12	0.45	1.04	1.48	0.45	0.49	1.00	1.87	2.62	83.7	0	77	A	
SO4--	0.62	0.49	0.41	2.97	0.01	0.02	0.47	1.63	2.45	75.0	0	69	A	
SO2	0.34	0.59	0.23	2.34	0.00	0.04	0.23	0.78	4.80	76.1	1	70	A	
NH3+NH4+	1.01	0.76	0.79	2.03	0.12	0.22	0.75	2.46	3.85	75.0	3	69	A	
HNO3+NO3	0.41	0.34	0.31	2.19	0.04	0.06	0.30	0.87	1.74	75.0	0	69	A	
SPM	0.9	0.6	0.8	1.5	0.7	0.7	0.7	2.4	3.2	82.6	69	76		

SE0011R VAVIHILL SWEDEN

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.58	1.12	1.26	2.01	0.17	0.44	1.21	3.45	6.22	83.5	0	76	A	
SO4--	0.95	1.10	0.55	2.91	0.02	0.13	0.44	3.48	5.16	84.6	0	77	A	
SO2	0.76	1.28	0.31	3.54	0.03	0.05	0.24	4.22	5.58	83.5	0	76	A	
NH3+NH4+	1.17	1.08	0.80	2.46	0.09	0.19	0.70	3.56	4.61	82.4	7	75	A	
HNO3+NO3	0.42	0.39	0.30	2.27	0.07	0.08	0.26	1.06	2.12	83.5	1	76	A	
SPM	3.0	5.6	1.4	2.8	0.7	0.7	0.7	11.0	35.4	87.9	48	80		

SE0012R ASPVRETEN SWEDEN

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	1.42	0.98	1.17	1.87	0.26	0.41	1.32	3.08	5.86	100.0	0	90	A	
SO4--	0.69	0.66	0.43	3.12	0.01	0.04	0.45	1.75	4.45	100.0	0	90	A	
SO2	0.38	0.39	0.24	2.69	0.00	0.05	0.24	1.17	2.25	100.0	1	90	A	
NH3+NH4+	0.50	0.53	0.32	2.68	0.03	0.06	0.33	1.37	3.65	98.9	8	89	A	
HNO3+NO3	0.31	0.35	0.22	2.14	0.05	0.08	0.20	0.81	2.14	100.0	3	90	A	

SE0012R ASPVRETEN SWEDEN

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.67	0.32	0.61	1.55	0.21	0.30	0.59	1.25	2.16	100.0	0	92	A	
SO4--	0.69	0.55	0.46	2.66	0.04	0.07	0.55	1.74	2.34	95.7	0	88	A	
SO2	0.42	0.43	0.26	3.15	0.00	0.02	0.28	1.11	2.62	98.9	1	91	A	
NH3+NH4+	0.57	0.54	0.37	2.65	0.03	0.08	0.35	1.75	2.18	94.6	15	87	A	
HNO3+NO3	0.27	0.25	0.19	2.27	0.03	0.05	0.18	0.82	1.50	94.6	0	87	A	

SE0012R ASPVRETEN SWEDEN

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.49	0.18	0.47	1.38	0.20	0.29	0.47	0.84	1.19	100.0	0	92	A	
SO4--	0.31	0.27	0.20	3.01	0.00	0.02	0.24	0.77	1.19	84.8	1	78	A	
SO2	0.19	0.17	0.13	2.74	0.00	0.02	0.15	0.48	0.99	84.8	1	78	A	
NH3+NH4+	0.34	0.22	0.27	2.05	0.02	0.08	0.27	0.74	1.17	84.8	10	78	A	
HNO3+NO3	0.17	0.12	0.14	2.09	0.01	0.04	0.15	0.41	0.63	84.8	1	78	A	

SE0012R ASPVRETEN SWEDEN

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	0.92	0.57	0.79	1.70	0.30	0.35	0.74	1.86	3.45	96.7	0	88	A	
SO4--	0.57	0.54	0.36	2.75	0.02	0.06	0.34	1.72	2.30	98.9	0	90	A	
SO2	0.31	0.47	0.18	2.88	0.02	0.03	0.17	0.82	3.66	98.9	0	90	A	
NH3+NH4+	0.43	0.39	0.29	2.59	0.02	0.06	0.26	1.21	1.99	98.9	8	90	A	
HNO3+NO3	0.19	0.15	0.15	2.06	0.02	0.04	0.13	0.51	0.74	98.9	0	90	A	

SI0008R ISKRBA SLOVENIA

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.86	0.67	0.58	2.76	0.03	0.08	0.75	2.42	2.77	100.0	0	90	A	
SO2	1.75	1.96	0.90	3.84	0.00	0.05	1.13	5.61	8.51	92.2	1	83	A	
NH3+NH4+	0.83	0.64	0.61	2.34	0.10	0.14	0.68	2.08	3.01	100.0	0	90	A	
HNO3+NO3	0.32	0.27	0.24	2.49	0.00	0.03	0.24	0.80	1.72	100.0	2	90	A	

SI0008R ISKRBA SLOVENIA

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	1.03	0.73	0.81	2.09	0.11	0.21	0.85	2.49	3.82	100.0	0	92	A	
SO2	1.16	1.18	0.70	3.09	0.02	0.09	0.80	3.67	6.48	100.0	0	92	A	
NH3+NH4+	1.21	0.73	1.01	1.91	0.14	0.29	1.09	2.50	4.05	100.0	0	92	A	
HNO3+NO3	0.35	0.25	0.25	2.56	0.01	0.03	0.31	0.77	1.41	100.0	0	92	A	

SI0008R ISKRBA SLOVENIA

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	1.58	1.00	1.27	2.06	0.10	0.35	1.34	3.42	5.40	98.9	0	91	A	
SO2	0.60	0.61	0.38	2.84	0.00	0.05	0.36	1.98	2.63	98.9	2	91	A	
NH3+NH4+	1.69	0.90	1.44	1.82	0.28	0.50	1.68	2.99	5.42	98.9	0	91	A	
HNO3+NO3	0.25	0.14	0.20	1.98	0.02	0.06	0.21	0.53	0.63	98.9	0	91	A	

SI0008R ISKRBA SLOVENIA

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
SO4--	0.99	0.80	0.67	2.68	0.05	0.08	0.82	2.39	3.76	100.0	0	91	A	
SO2	0.99	1.60	0.33	4.91	0.01	0.02	0.31	4.66	7.90	100.0	0	91	A	
NH3+NH4+	0.83	0.61	0.61	2.37	0.04	0.16	0.68	1.94	2.90	100.0	0	91	A	
HNO3+NO3	0.21	0.18	0.15	2.36	0.02	0.03	0.17	0.52	0.95	100.0	0	91	A	

SK0002R CHOPOK SLOVAKIA

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO3-	0.06	0.01	0.06	1.14	0.05	0.05	0.05	0.05	0.19	100.0	58	90	D	
HNO3	0.06	0.07	0.05	1.66	0.02	0.03	0.05	0.09	0.61	100.0	0	90	D	
NO2	1.03	0.33	0.98	1.39	0.50	0.50	0.90	1.65	1.90	100.0	0	90	B	
SO4--	0.35	0.20	0.30	1.82	0.08	0.08	0.32	0.63	1.36	100.0	11	90	B	
SO2	0.65	0.49	0.52	1.90	0.10	0.20	0.50	1.70	2.80	100.0	0	90	B	

SK0002R CHOPOK SLOVAKIA

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO3-	0.21	0.21	0.13	2.67	0.05	0.05	0.05	0.63	1.00	98.9	49	91	D	
HNO3	0.05	0.03	0.05	1.52	0.02	0.03	0.05	0.11	0.15	98.9	0	91	D	
NO2	1.15	0.25	1.12	1.25	0.60	0.80	1.10	1.60	1.70	88.0	0	81	B	
SO4--	0.70	0.47	0.56	2.02	0.08	0.21	0.52	1.62	1.87	98.9	3	91	B	
SO2	1.03	0.79	0.81	2.05	0.10	0.25	0.85	2.50	4.80	98.9	0	91	B	

SK0002R CHOPOK SLOVAKIA

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO3-	0.35	0.27	0.24	2.54	0.05	0.05	0.27	0.87	1.09	98.9	20	91	D	
HNO3	0.09	0.08	0.08	1.83	0.01	0.03	0.07	0.20	0.66	98.9	0	91	D	
NO2	1.21	0.22	1.19	1.20	0.70	0.90	1.20	1.60	2.20	97.8	0	90	B	
SO4--	0.96	0.56	0.80	1.84	0.18	0.28	0.76	2.12	2.56	98.9	0	91	B	
SO2	0.71	0.57	0.51	2.33	0.10	0.10	0.40	1.80	2.50	98.9	0	91	B	

SK0002R CHOPOK SLOVAKIA

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO3-	0.13	0.09	0.09	2.89	0.01	0.01	0.12	0.27	0.47	100.0	15	91	D	
HNO3	0.08	0.06	0.07	1.67	0.03	0.04	0.07	0.15	0.36	100.0	0	91	D	
NO2	0.91	0.30	0.86	1.40	0.36	0.48	0.90	1.36	2.28	98.9	0	90	B	
SO4--	0.43	0.32	0.35	1.81	0.11	0.16	0.31	0.95	2.07	100.0	0	91	B	
SO2	0.94	0.88	0.72	2.00	0.20	0.30	0.60	2.44	5.90	100.0	0	91	B	

SK0004R STARA LESNA SLOVAKIA

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO3-	0.27	0.23	0.22	1.83	0.05	0.09	0.20	0.63	1.46	100.0	4	90	D	
HNO3	0.08	0.05	0.07	1.75	0.02	0.03	0.07	0.17	0.32	100.0	0	90	D	
NO2	2.52	0.86	2.39	1.38	1.20	1.40	2.40	4.20	6.30	100.0	0	90	B	
SO4--	0.84	0.44	0.75	1.63	0.18	0.34	0.77	1.64	2.86	100.0	0	90	B	
SO2	2.29	1.89	1.71	2.18	0.30	0.50	1.70	6.25	10.40	100.0	0	90	B	

SK0004R STARA LESNA SLOVAKIA

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO3-	0.29	0.19	0.23	2.05	0.05	0.05	0.24	0.74	0.91	97.8	11	90	D	
HNO3	0.08	0.05	0.06	1.79	0.02	0.03	0.06	0.17	0.23	97.8	0	90	D	
NO2	1.65	0.44	1.60	1.27	1.10	1.16	1.50	2.54	3.00	100.0	0	92	B	
SO4--	1.04	0.53	0.91	1.69	0.31	0.39	0.92	2.13	2.51	97.8	0	90	B	
SO2	1.62	1.23	1.22	2.24	0.20	0.25	1.30	3.80	6.30	97.8	0	90	B	

SK0004R STARA LESNA SLOVAKIA

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO3-	0.23	0.12	0.20	1.66	0.05	0.10	0.19	0.51	0.63	98.9	3	91	D	
HNO3	0.07	0.06	0.05	1.81	0.02	0.03	0.05	0.22	0.35	98.9	0	91	D	
NO2	1.64	0.31	1.62	1.20	1.20	1.20	1.60	2.14	2.60	100.0	0	92	B	
SO4--	1.21	0.69	1.04	1.75	0.21	0.35	1.02	2.29	4.60	97.8	0	90	B	
SO2	0.86	0.63	0.70	1.86	0.20	0.30	0.60	1.89	3.40	98.9	0	91	B	

SK0004R STARA LESNA SLOVAKIA

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO3-	0.26	0.23	0.20	2.08	0.01	0.06	0.21	0.57	1.53	100.0	1	91	D	
HNO3	0.07	0.07	0.05	1.86	0.02	0.03	0.05	0.15	0.45	100.0	0	91	D	
NO2	1.68	0.88	1.55	1.46	0.90	0.90	1.40	3.09	6.80	100.0	0	91	B	
SO4--	0.96	0.67	0.76	2.07	0.08	0.21	0.79	2.27	3.69	100.0	0	91	B	
SO2	1.63	2.37	1.04	2.39	0.10	0.30	0.90	4.20	18.30	100.0	0	91	B	

SK0005R LIESEK SLOVAKIA

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO3-	0.35	0.13	0.31	1.68	0.05	0.05	0.34	0.55	0.61	22.2	0	20	D	
HNO3	0.11	0.08	0.09	1.85	0.04	0.04	0.07	0.27	0.34	22.2	0	20	D	
NO2	2.89	1.00	2.72	1.42	1.20	1.50	2.80	4.55	5.50	100.0	0	90	B	
SO4--	1.13	0.34	1.07	1.40	0.51	0.51	1.17	1.52	1.88	22.2	0	20	B	
SO2	9.84	7.44	7.86	1.98	2.00	2.00	7.80	20.70	33.30	22.2	0	20	B	

SK0005R LIESEK SLOVAKIA

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO3-	0.43	0.22	0.38	1.81	0.05	0.15	0.44	0.85	1.00	66.3	2	61	D	
HNO3	0.06	0.08	0.05	1.80	0.01	0.02	0.05	0.14	0.63	66.3	0	61	D	
NO2	1.90	0.48	1.84	1.28	1.00	1.25	1.80	2.85	3.40	98.9	0	91	B	
SO4--	1.23	0.56	1.10	1.62	0.34	0.41	1.07	2.18	2.94	66.3	0	61	B	
SO2	2.24	1.39	1.83	2.01	0.20	0.40	1.90	4.49	8.00	66.3	0	61	B	

SK0005R LIESEK SLOVAKIA

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO3-	0.40	0.20	0.35	1.64	0.05	0.15	0.35	0.77	1.36	95.7	1	88	D	
HNO3	0.10	0.12	0.07	2.19	0.01	0.02	0.06	0.30	0.71	95.7	0	88	D	
NO2	1.78	0.34	1.75	1.21	0.90	1.30	1.70	2.40	2.60	98.9	0	91	B	
SO4--	1.35	0.67	1.19	1.65	0.35	0.54	1.22	2.51	3.49	95.7	0	88	B	
SO2	1.22	0.59	1.09	1.61	0.40	0.50	1.10	2.26	3.70	95.7	0	88	B	

SK0005R LIESEK SLOVAKIA

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO3-	0.52	0.34	0.42	2.04	0.05	0.12	0.42	1.12	1.90	98.9	3	90	D	
HNO3	0.09	0.11	0.07	1.72	0.04	0.04	0.06	0.18	0.91	100.0	0	91	D	
NO2	2.22	1.61	1.93	1.59	0.80	1.15	1.70	5.14	10.70	100.0	0	91	B	
SO4--	1.34	0.85	1.12	1.86	0.16	0.41	1.08	2.95	4.25	98.9	0	90	B	
SO2	4.68	7.49	2.38	2.99	0.30	0.50	2.00	17.05	50.90	100.0	0	91	B	

SK0006R STARINA SLOVAKIA

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO3-	0.29	0.24	0.20	2.49	0.05	0.05	0.24	0.80	1.11	100.0	9	90	D	
HNO3	0.45	0.30	0.36	1.98	0.02	0.13	0.36	1.03	1.61	98.9	0	89	D	
NO2	2.08	0.68	1.98	1.37	0.90	1.20	1.95	3.50	4.10	98.9	0	89	B	
SO4--	1.29	0.69	1.10	1.86	0.08	0.44	1.21	2.61	2.98	100.0	1	90	B	
SO2	5.18	3.57	4.11	2.08	0.20	1.25	4.40	11.52	19.00	98.9	0	89	B	

SK0006R STARINA SLOVAKIA

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO3-	0.27	0.20	0.20	2.26	0.05	0.05	0.23	0.67	1.16	98.9	20	91	D	
HNO3	0.23	0.17	0.18	2.05	0.03	0.05	0.19	0.55	0.97	100.0	0	92	D	
NO2	1.54	0.41	1.49	1.29	0.90	1.00	1.40	2.40	2.80	100.0	0	92	B	
SO4--	1.19	0.65	1.00	1.89	0.18	0.24	1.00	2.36	2.92	98.9	0	91	B	
SO2	1.88	1.54	1.41	2.17	0.20	0.36	1.40	5.30	7.20	100.0	0	92	B	

SK0006R STARINA SLOVAKIA

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO3-	0.23	0.10	0.21	1.63	0.05	0.05	0.20	0.44	0.51	97.8	5	90	D	
HNO3	0.14	0.09	0.12	1.74	0.04	0.05	0.10	0.28	0.68	96.7	0	89	D	
NO2	1.62	0.35	1.58	1.23	1.00	1.10	1.60	2.24	2.90	98.9	0	91	B	
SO4--	1.25	0.66	1.10	1.67	0.29	0.43	1.15	2.53	3.77	97.8	0	90	B	
SO2	1.18	0.59	1.04	1.69	0.20	0.44	1.10	2.50	3.00	96.7	0	89	B	

SK0006R STARINA SLOVAKIA

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO3-	0.23	0.18	0.16	2.77	0.02	0.02	0.18	0.60	0.78	94.5	0	86	D	
HNO3	0.24	0.16	0.20	1.90	0.05	0.07	0.19	0.54	0.80	100.0	0	91	D	
NO2	1.54	0.62	1.45	1.39	0.80	0.90	1.40	2.54	5.10	100.0	0	91	B	
SO4--	1.14	0.78	0.86	2.39	0.04	0.16	0.96	2.80	3.72	94.5	2	86	B	
SO2	2.23	1.73	1.66	2.22	0.40	0.50	1.70	5.05	8.10	100.0	0	91	B	

TR0001R CUBUK II TURKEY

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	0.15	0.17	0.09	3.26	0.00	0.00	0.08	0.36	0.81	48.9	5	44	D	
NH4+	0.27	0.23	0.22	2.76	-0.02	-0.01	0.23	0.73	0.89	48.9	8	44	D	
NO3-	0.10	0.13	0.08	2.62	-0.01	0.00	0.06	0.23	0.77	48.9	2	44	D	
HNO3	0.06	0.05	0.05	2.16	-0.01	0.01	0.05	0.16	0.18	48.9	2	44	D	
NO2	1.21	0.96	0.89	2.34	0.10	0.15	0.95	3.04	4.81	48.9	0	44	B	
SO4--	0.25	0.22	0.15	3.08	0.01	0.02	0.16	0.67	0.79	48.9	0	44	B	
SO2	2.03	1.72	1.37	2.61	0.16	0.25	1.48	5.34	7.07	48.9	0	44	C	
NH3+NH4+	0.42	0.27	0.34	2.30	-0.01	0.03	0.37	0.96	1.04	48.9	1	44	A	
HNO3+NO3	0.17	0.15	0.12	2.31	0.01	0.03	0.11	0.38	0.88	48.9	1	44	A	

TR0001R CUBUK II TURKEY

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	0.31	0.25	0.25	3.04	-0.04	-0.01	0.27	0.77	1.09	100.0	10	92	D	
NH4+	0.21	0.22	0.17	2.55	-0.01	0.00	0.15	0.78	1.03	100.0	9	92	D	
NO3-	0.05	0.05	0.04	2.53	0.00	0.01	0.04	0.13	0.24	98.9	8	91	D	
HNO3	0.09	0.06	0.06	2.29	0.00	0.02	0.07	0.20	0.33	98.9	1	91	D	
NO2	0.70	0.48	0.54	2.35	0.01	0.19	0.56	1.57	2.45	100.0	0	92	B	
SO4--	0.25	0.30	0.15	2.96	-0.01	0.02	0.14	0.94	1.40	98.9	1	91	B	
SO2	0.77	1.04	0.36	4.51	-0.09	0.00	0.37	2.86	5.11	98.9	5	91	C	
NH3+NH4+	0.52	0.32	0.42	2.11	-0.05	0.07	0.45	1.07	1.51	100.0	1	92	A	
HNO3+NO3	0.14	0.09	0.11	2.11	0.01	0.02	0.11	0.31	0.45	100.0	0	92	A	

TR0001R CUBUK II TURKEY

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	0.31	0.17	0.27	1.81	0.03	0.09	0.28	0.65	0.83	69.6	0	64	D	
NH4+	0.24	0.23	0.15	3.24	0.00	0.01	0.17	0.79	0.92	69.6	4	64	D	
NO3-	0.05	0.03	0.04	2.18	0.00	0.01	0.04	0.12	0.14	54.3	6	50	D	
HNO3	0.09	0.05	0.08	1.78	0.02	0.02	0.08	0.17	0.21	67.4	0	62	D	
NO2	0.29	0.34	0.34	1.92	-0.25	-0.18	0.26	0.55	2.13	69.6	11	64	B	
SO4--	0.35	0.38	0.20	2.99	0.03	0.03	0.21	1.27	1.65	53.3	0	49	B	
SO2	0.51	0.52	0.37	2.63	-0.04	0.00	0.30	1.61	2.18	67.4	4	62	C	
NH3+NH4+	0.56	0.25	0.50	1.65	0.15	0.20	0.55	1.00	1.09	69.6	0	64	A	
HNO3+NO3	0.14	0.07	0.12	1.85	0.01	0.04	0.13	0.26	0.31	54.3	0	50	A	

TR0001R CUBUK II TURKEY

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NH3	0.30	0.22	0.26	2.40	-0.01	-0.01	0.27	0.71	0.73	22.0	1	20	D	
NH4+	0.25	0.15	0.21	1.79	0.09	0.09	0.17	0.51	0.67	22.0	0	20	D	
NO3-	0.06	0.05	0.07	2.28	0.00	0.00	0.06	0.13	0.14	22.0	4	20	D	
HNO3	0.09	0.04	0.08	1.68	0.03	0.03	0.07	0.16	0.16	22.0	0	20	D	
NO2	0.42	0.32	0.33	2.05	0.11	0.11	0.32	0.96	1.28	22.0	0	20	B	
SO4--	0.28	0.32	0.18	2.55	0.03	0.03	0.14	0.99	1.28	22.0	0	20	B	
SO2	0.54	0.39	0.43	1.96	0.14	0.14	0.39	1.13	1.42	22.0	0	20	C	
NH3+NH4+	0.55	0.27	0.47	1.82	0.12	0.12	0.54	0.95	1.05	22.0	0	20	A	
HNO3+NO3	0.15	0.08	0.12	1.99	0.03	0.03	0.15	0.28	0.30	22.0	0	20	A	

YU0005R KAMENICKI VIS YUGOSLAVIA

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.12	1.70	2.78	1.60	1.00	1.30	2.60	6.28	10.20	85.6	0	77	B	
SO2	5.56	4.27	4.00	2.38	1.25	1.25	5.10	13.72	18.10	84.4	0	76	D	

YU0005R KAMENICKI VIS YUGOSLAVIA

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.60	2.37	3.04	1.76	1.00	1.25	2.70	8.23	12.00	98.9	0	91	B	
SO2	5.83	3.24	5.09	1.67	2.50	2.50	4.70	12.05	16.30	97.8	0	90	D	

YU0005R KAMENICKI VIS YUGOSLAVIA

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.38	0.94	2.22	1.46	1.10	1.30	2.10	4.34	5.00	95.7	0	88	B	
SO2	3.34	1.68	3.10	1.42	2.50	2.50	2.50	7.20	12.90	92.4	0	85	D	

YU0005R KAMENICKI VIS YUGOSLAVIA

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.54	1.60	3.24	1.52	1.20	1.70	3.35	6.30	10.70	97.8	0	89	B	
SO2	3.27	1.62	3.07	1.37	2.50	2.50	2.65	4.64	11.30	34.1	0	31	D	

YU0008R ZABLJAK YUGOSLAVIA

December 1997 - February 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.86	1.56	2.53	1.63	1.00	1.10	2.50	5.72	9.60	92.2	0	83	B	
SO2	3.27	2.52	2.60	1.92	1.25	1.25	2.50	7.25	13.20	100.0	0	90	D	

YU0008R ZABLJAK YUGOSLAVIA

March 1998 - May 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	2.08	1.17	1.89	1.49	1.00	1.10	1.80	4.10	10.40	100.0	0	92	B	
SO2	4.11	2.19	3.71	1.52	2.50	2.50	3.30	8.20	13.50	95.7	0	88	D	

YU0008R ZABLJAK YUGOSLAVIA

June 1998 - August 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.94	1.19	3.76	1.37	1.40	2.21	3.70	5.86	7.30	90.2	0	83	B	
SO2	2.89	0.81	2.81	1.25	2.50	2.50	2.50	5.05	6.30	98.9	0	91	D	

YU0008R ZABLJAK YUGOSLAVIA

September 1998 - November 1998

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num sampl	QA flag	Samp flag
NO2	3.70	2.06	3.23	1.69	1.10	1.40	3.10	8.20	10.00	98.9	0	90	B	
SO2	3.07	1.80	2.83	1.40	2.50	2.50	2.50	5.85	13.20	98.9	0	90	D	

Annex 5

Seasonal summaries of precipitation components

AT0002R ILLMITZ AUSTRIA

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.61	0.06	1.81	30.9	98.0	0	16	A	
Ca++	2.65	0.10	10.80	133.6	98.0	0	16	A	
Cl-	1.67	0.10	7.10	84.2	98.0	0	16	A	
Mg++	0.144	0.015	0.459	7.3	98.0	0	16	A	
NO3-	0.59	0.31	1.14	29.8	98.0	0	16	A	
pH	5.06	4.32	7.67	442.6	100.0	0	21	A	
K+	0.08	0.02	0.50	4.0	98.0	0	16	A	
Precip	-	0.0	9.4	50.4	100.0	69	90		
Na+	0.14	0.04	0.61	7.0	98.0	0	16	A	
SO4-- corr	1.10	0.27	2.92	55.2	98.0	0	16	A	
SO4--	1.15	0.28	2.93	57.9	98.0	0	16	A	

AT0002R ILLMITZ AUSTRIA

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.03	0.20	2.67	71.0	99.4	0	14	A	
Ca++	2.14	0.30	7.90	146.8	99.4	0	14	A	
Cl-	0.55	0.20	1.10	37.9	99.4	0	14	A	
Mg++	0.278	0.080	1.150	19.1	99.4	0	14	A	
NO3-	0.89	0.37	2.72	61.5	99.4	0	14	A	
pH	5.54	4.28	6.65	196.8	100.0	0	16	A	
K+	0.23	0.03	0.99	16.0	99.4	0	14	A	
Precip	-	0.0	20.6	68.7	100.0	76	92		
Na+	0.32	0.07	1.15	21.7	99.4	0	14	A	
SO4-- corr	1.91	0.51	7.38	131.4	99.4	0	14	A	
SO4--	1.96	0.58	7.48	134.4	99.4	0	14	A	

AT0002R ILLMITZ AUSTRIA

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.58	0.16	1.47	125.8	100.0	0	23	A	
Ca++	0.70	0.10	7.30	153.3	100.0	0	23	A	
Cl-	0.22	0.10	11.20	47.4	100.0	0	23	A	
Mg++	0.124	0.023	6.690	27.1	100.0	0	23	A	
NO3-	0.47	0.27	1.53	101.5	100.0	0	23	A	
pH	5.15	4.74	7.80	1538.6	100.0	0	23	A	
K+	0.08	0.01	2.07	17.7	100.0	0	23	A	
Precip	-	0.0	36.4	217.7	100.0	69	92		
Na+	0.19	0.03	18.30	42.0	100.0	0	23	A	
SO4-- corr	0.79	0.17	6.17	172.8	100.0	0	23	A	
SO4--	0.81	0.17	7.70	176.3	100.0	0	23	A	

AT0002R ILLMITZ AUSTRIA

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.56	0.11	2.01	114.3	99.9	0	22	A	
Ca++	0.34	0.00	6.60	68.3	99.9	1	22	A	
Cl-	0.22	0.10	0.90	45.3	99.9	0	22	A	
Mg++	0.055	0.010	0.635	11.1	99.9	0	22	A	
NO3-	0.41	0.10	1.81	82.5	99.9	0	22	A	
pH	4.84	4.14	6.48	2954.7	100.0	0	23	A	
K+	0.06	0.01	0.38	12.5	99.9	0	22	A	
Precip	-	0.0	42.1	203.2	100.0	68	91		
Na+	0.14	0.03	0.57	29.0	99.9	0	22	A	
SO4-- corr	0.81	0.18	4.18	165.3	99.9	0	22	A	
SO4--	0.83	0.19	4.22	168.5	99.9	0	22	A	

AT0004R ST. KOLOMAN AUSTRIA

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.14	0.00	1.11	15.3	98.6	6	28	A	
Ca++	0.13	0.00	2.50	14.5	98.6	4	28	A	
Cl-	0.21	0.10	2.20	23.2	81.5	0	27	A	
Mg++	0.017	0.004	0.227	1.9	98.6	2	28	A	
NO3-	0.42	0.00	1.64	45.8	99.4	1	30	A	
pH	4.89	3.89	6.14	1396.6	99.7	0	31	A	
K+	0.07	0.00	0.58	7.7	98.6	2	28	A	
Precip	-	0.0	22.7	108.4	100.0	57	90		
Na+	0.09	0.02	0.64	9.8	98.6	0	28	A	
SO4-- corr	0.29	0.02	3.73	31.4	99.4	0	30	A	
SO4--	0.30	0.02	3.77	32.3	99.4	0	30	A	

AT0004R ST. KOLOMAN AUSTRIA

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.50	0.01	4.81	146.3	96.2	0	43	A	
Ca++	0.19	0.00	1.70	55.5	100.0	1	44	A	
Cl-	0.26	0.00	2.50	77.5	100.0	1	44	A	
Mg++	0.039	0.010	0.240	11.4	100.0	0	44	A	
NO3-	0.52	0.04	3.05	154.0	100.0	0	44	A	
pH	4.58	3.95	5.89	7822.0	100.0	0	45	A	
K+	0.05	0.01	0.64	13.4	100.0	0	44	A	
Precip	-	0.0	35.1	294.5	100.0	47	92		
Na+	0.16	0.01	1.78	48.1	100.0	0	44	A	
SO4-- corr	0.55	0.07	4.65	162.7	100.0	0	44	A	
SO4--	0.57	0.08	4.66	167.6	100.0	0	44	A	

AT0004R ST. KOLOMAN AUSTRIA

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.62	0.01	4.29	350.4	99.7	1	49	A	
Ca++	0.29	0.00	2.50	165.0	99.7	1	49	A	
Cl-	0.14	0.00	0.90	75.5	99.8	2	51	A	
Mg++	0.044	0.005	0.678	24.6	99.7	1	49	A	
NO3-	0.37	0.09	3.18	208.2	99.8	0	51	A	
pH	5.15	4.41	7.31	3964.1	100.0	0	54	A	
K+	0.09	0.00	0.88	49.6	99.7	3	49	A	
Precip	-	0.0	32.0	560.7	100.0	38	92		
Na+	0.07	0.00	0.61	36.9	99.7	3	49	A	
SO4-- corr	0.41	0.07	2.33	231.8	99.8	0	51	A	
SO4--	0.42	0.08	2.37	236.8	99.8	0	51	A	

AT0004R ST. KOLOMAN AUSTRIA

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.16	0.03	1.53	48.4	99.1	0	40	A	
Ca++	0.44	0.10	1.70	136.7	99.1	0	40	A	
Cl-	0.18	0.00	1.90	56.5	99.6	1	43	A	
Mg++	0.128	0.035	0.520	40.0	99.1	0	40	A	
NO3-	0.32	0.03	2.16	99.7	99.6	0	43	A	
pH	5.32	4.24	7.45	1504.7	100.0	0	49	A	
K+	0.02	0.00	0.24	6.0	99.1	8	40	A	
Precip	-	0.0	33.9	313.0	100.0	42	91		
Na+	0.16	0.02	1.41	49.8	99.1	0	40	A	
SO4-- corr	0.20	0.03	1.36	63.6	99.6	0	43	A	
SO4--	0.22	0.06	1.38	68.2	99.6	0	43	A	

AT0005R VORHEGG AUSTRIA

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.13	0.00	0.55	14.9	88.9	1	13	A	
Ca++	0.97	0.00	10.80	110.2	99.6	2	16	A	
Cl-	0.63	0.00	7.10	71.3	66.8	1	14	A	
Mg++	0.058	0.005	0.315	6.6	99.6	0	16	A	
NO3-	0.22	0.02	1.51	24.3	99.6	0	16	A	
pH	5.29	4.32	7.41	574.2	100.0	0	18	A	
K+	0.04	0.00	0.50	3.9	99.6	1	16	A	
Precip	-	0.0	33.7	113.1	100.0	72	90		
Na+	0.05	0.01	0.53	6.1	99.6	0	16	A	
SO4-- corr	0.25	0.04	1.72	28.4	99.6	0	16	A	
SO4--	0.27	0.04	1.76	30.4	99.6	0	16	A	

AT0005R VORHEGG AUSTRIA

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.42	0.02	3.05	72.1	99.5	0	28	A	
Ca++	0.39	0.10	2.80	67.0	99.5	0	28	A	
Cl-	0.19	0.00	0.80	33.3	99.7	3	29	A	
Mg++	0.088	0.015	0.670	15.2	99.5	0	28	A	
NO3-	0.35	0.07	1.66	59.6	99.7	0	29	A	
pH	4.91	4.30	7.06	2102.8	100.0	0	32	A	
K+	0.05	0.01	0.89	8.6	99.5	0	28	A	
Precip	-	0.0	23.7	172.3	100.0	60	92		
Na+	0.10	0.01	0.53	18.1	99.5	0	28	A	
SO4-- corr	0.65	0.09	3.56	112.0	99.7	0	29	A	
SO4--	0.66	0.11	3.57	114.0	99.7	0	29	A	

AT0005R VORHEGG AUSTRIA

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.65	0.12	2.38	314.5	99.6	0	39	A	
Ca++	0.36	0.10	3.50	172.0	99.6	0	39	A	
Cl-	0.12	0.00	1.00	60.3	99.6	5	39	A	
Mg++	0.050	0.005	0.565	24.0	99.6	1	39	A	
NO3-	0.38	0.11	1.34	181.4	99.6	0	39	A	
pH	4.98	4.43	6.72	5040.8	100.0	0	45	A	
K+	0.04	0.00	0.27	20.1	92.9	1	38	A	
Precip	-	0.0	33.4	482.9	97.8	45	90		
Na+	0.05	0.00	0.51	26.0	99.6	2	39	A	
SO4-- corr	0.72	0.02	2.03	348.9	99.6	0	39	A	
SO4--	0.73	0.03	2.06	352.0	99.6	0	39	A	

AT0005R VORHEGG AUSTRIA

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.17	0.01	1.13	56.7	99.5	5	26	A	
Ca++	0.08	0.00	0.70	26.0	99.5	8	26	A	
Cl-	0.08	0.00	0.40	28.1	99.8	5	28	A	
Mg++	0.019	0.005	0.140	6.4	99.5	5	26	A	
NO3-	0.18	0.03	1.10	60.4	99.8	0	28	A	
pH	4.80	4.30	5.50	5399.6	100.0	0	31	A	
K+	0.01	0.00	0.10	4.7	99.5	6	26	A	
Precip	-	0.0	33.4	338.4	100.0	60	91		
Na+	0.05	0.01	0.28	15.8	99.5	0	26	A	
SO4-- corr	0.31	0.05	1.28	104.4	99.8	0	28	A	
SO4--	0.32	0.05	1.32	106.9	99.8	0	28	A	

CH0002R PAYERNE SWITZERLAND

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.26	0.07	1.46	39.4	97.5	0	25	A	
Ca++	0.25	0.05	1.21	37.2	97.5	0	25	A	
Cl-	0.23	0.03	3.51	35.2	97.5	0	25	A	
Mg++	0.041	0.005	0.349	6.2	97.5	1	25	B	
NO3-	0.20	0.05	1.34	30.9	97.5	0	25	A	
pH	5.26	4.07	6.11	827.2	99.3	0	30	A	
K+	0.01	0.00	0.10	2.1	97.5	1	25	B	
Precip	-	0.0	16.7	151.8	100.0	54	90		
Na+	0.13	0.01	1.92	19.2	97.5	1	25	A	
SO4-- corr	0.16	0.05	0.71	24.4	97.5	0	25	A	
SO4--	0.17	0.06	0.73	26.0	97.5	0	25	A	

CH0002R PAYERNE SWITZERLAND

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.63	0.10	3.51	117.2	99.1	0	30	A	
Ca++	0.42	0.01	1.58	77.5	99.1	1	30	A	
Cl-	0.15	0.03	0.87	28.6	99.1	5	30	A	
Mg++	0.044	0.005	0.220	8.1	99.1	4	30	B	
NO3-	0.34	0.10	1.14	62.3	99.1	0	30	A	
pH	5.12	4.28	6.87	1408.7	99.8	0	32	A	
K+	0.08	0.01	0.80	14.2	99.1	0	30	B	
Precip	-	0.0	25.1	185.2	100.0	59	92		
Na+	0.10	0.01	0.37	18.2	97.9	1	29	A	
SO4-- corr	0.36	0.03	1.18	67.3	99.1	0	30	A	
SO4--	0.37	0.03	1.21	69.0	99.1	0	30	A	

CH0002R PAYERNE SWITZERLAND

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.62	0.15	2.46	118.1	99.1	0	25	A	
Ca++	0.99	0.09	4.50	188.2	99.1	0	25	A	
Cl-	0.16	0.03	1.02	31.0	99.1	1	25	A	
Mg++	0.058	0.015	0.284	11.0	99.1	0	25	B	
NO3-	0.36	0.09	1.38	68.7	99.1	0	25	A	
pH	5.27	4.70	7.03	1011.8	99.7	0	27	A	
K+	0.05	0.02	0.21	10.1	99.1	0	25	B	
Precip	-	0.0	37.9	189.4	100.0	62	92		
Na+	0.11	0.01	0.50	21.4	99.1	1	25	A	
SO4-- corr	0.50	0.07	1.30	93.8	99.1	0	25	A	
SO4--	0.50	0.08	1.33	95.6	99.1	0	25	A	

CH0002R PAYERNE SWITZERLAND

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.35	0.12	2.82	110.7	99.4	0	44	A	
Ca++	0.23	0.01	3.05	73.2	98.4	3	43	A	
Cl-	0.22	0.03	2.28	70.1	99.4	4	44	A	
Mg++	0.030	0.005	0.224	9.4	98.5	12	43	B	
NO3-	0.22	0.04	1.29	69.0	99.4	0	44	A	
pH	5.25	4.12	6.81	1790.5	99.4	0	44	A	
K+	0.03	0.00	0.88	10.3	99.4	6	44	B	
Precip	-	0.0	31.1	318.9	100.0	40	91		
Na+	0.13	0.01	1.25	40.0	99.4	5	44	A	
SO4-- corr	0.23	0.04	1.95	74.1	99.4	0	44	A	
SO4--	0.24	0.05	1.99	77.7	99.4	0	44	A	

CH0003R TANIKON SWITZERLAND

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.19	0.09	1.59	53.2	99.0	0	28	A	
Ca++	0.15	0.01	1.15	41.8	99.0	0	28	A	
Cl-	0.09	0.03	0.36	25.0	99.0	4	28	A	
Mg++	0.027	0.005	0.140	7.3	99.0	2	28	B	
NO3-	0.17	0.06	0.97	46.6	99.0	0	28	A	
pH	5.27	4.44	6.02	1480.3	99.7	0	31	A	
K+	0.01	0.00	0.22	4.0	99.0	0	28	B	
Precip	-	0.0	53.5	273.2	100.0	54	90		
Na+	0.06	0.01	0.22	16.9	94.0	1	27	A	
SO4-- corr	0.13	0.05	0.86	34.8	99.0	0	28	A	
SO4--	0.13	0.05	0.87	36.1	99.0	0	28	A	

CH0003R TANIKON SWITZERLAND

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.58	0.14	5.32	114.0	98.7	0	32	A	
Ca++	0.33	0.01	1.50	64.3	94.1	1	31	A	
Cl-	0.19	0.03	1.84	38.1	98.7	6	32	A	
Mg++	0.046	0.005	0.186	9.0	98.7	6	32	B	
NO3-	0.42	0.08	5.53	82.3	98.7	0	32	A	
pH	4.80	3.55	6.67	3060.2	99.6	0	35	A	
K+	0.04	0.00	0.23	7.4	98.7	1	32	B	
Precip	-	0.0	23.0	195.5	100.0	53	92		
Na+	0.13	0.01	0.67	24.6	98.7	5	32	A	
SO4-- corr	0.40	0.14	5.52	77.9	98.7	0	32	A	
SO4--	0.41	0.14	5.60	80.3	98.7	0	32	A	

CH0003R TANIKON SWITZERLAND

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.56	0.05	2.26	147.2	96.7	0	29	A	
Ca++	0.51	0.07	3.09	132.1	96.7	0	29	A	
Cl-	0.12	0.03	0.85	32.6	96.7	5	29	A	
Mg++	0.044	0.005	0.271	11.6	96.7	1	29	B	
NO3-	0.36	0.05	1.82	93.0	96.7	0	29	A	
pH	5.05	3.99	6.63	2327.3	96.7	0	29	A	
K+	0.04	0.00	0.24	9.9	96.7	1	29	B	
Precip	-	0.0	29.9	260.5	100.0	59	92		
Na+	0.10	0.01	0.60	25.4	91.5	1	28	A	
SO4-- corr	0.37	0.01	1.69	96.6	96.7	1	29	A	
SO4--	0.38	0.01	1.74	99.5	96.7	1	29	A	

CH0003R TANIKON SWITZERLAND

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.24	0.03	2.55	101.5	99.0	0	40	A	
Ca++	0.15	0.01	2.44	65.9	98.5	6	39	A	
Cl-	0.19	0.03	1.48	82.1	99.0	5	40	A	
Mg++	0.028	0.005	0.346	12.1	99.0	15	40	B	
NO3-	0.20	0.03	1.55	87.2	99.0	0	40	A	
pH	5.01	3.88	7.31	4201.8	99.6	0	45	A	
K+	0.02	0.00	0.27	7.3	94.7	6	38	B	
Precip	-	0.0	36.8	430.5	100.0	41	91		
Na+	0.12	0.01	0.89	53.4	99.0	4	40	A	
SO4-- corr	0.19	0.01	2.28	81.9	99.0	1	40	A	
SO4--	0.20	0.01	2.31	86.4	99.0	1	40	A	

CH0004R CHAUMONT SWITZERLAND

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.11	0.01	0.51	26.0	99.1	1	33	A	
Ca++	0.12	0.01	0.73	28.0	99.1	2	33	A	
Cl-	0.31	0.03	2.89	75.8	99.1	2	33	A	
Mg++	0.040	0.005	0.304	9.7	99.1	2	33	B	
NO3-	0.18	0.04	1.20	44.2	99.1	0	33	A	
pH	5.07	4.08	5.57	2071.9	99.8	0	36	A	
K+	0.02	0.00	0.10	4.1	99.1	1	33	B	
Precip	-	0.0	28.3	241.8	100.0	52	90		
Na+	0.17	0.01	1.62	41.7	99.1	2	33	A	
SO4-- corr	0.14	0.04	0.73	34.2	99.1	0	33	A	
SO4--	0.16	0.04	0.84	37.8	99.1	0	33	A	

CH0004R CHAUMONT SWITZERLAND

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.38	0.12	1.50	57.8	97.8	0	22	A	
Ca++	0.33	0.06	0.92	50.6	97.8	0	22	A	
Cl-	0.12	0.03	0.62	18.3	97.8	5	22	A	
Mg++	0.034	0.005	0.115	5.1	97.8	1	22	B	
NO3-	0.24	0.06	0.88	36.0	97.8	0	22	A	
pH	5.13	4.06	6.82	1127.6	99.9	0	28	A	
K+	0.04	0.01	0.12	5.8	97.8	0	22	B	
Precip	-	0.0	34.1	151.7	100.0	63	92		
Na+	0.10	0.03	0.49	15.9	97.8	0	22	A	
SO4-- corr	0.31	0.10	0.98	46.5	97.8	0	22	A	
SO4--	0.32	0.11	0.99	47.9	97.8	0	22	A	

CH0004R CHAUMONT SWITZERLAND

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.38	0.06	2.05	87.7	98.5	0	25	A	
Ca++	0.59	0.04	3.98	136.4	98.5	0	25	A	
Cl-	0.13	0.03	0.75	30.1	98.5	2	25	A	
Mg++	0.044	0.005	0.160	10.2	98.5	2	25	B	
NO3-	0.25	0.05	0.80	57.4	98.5	0	25	A	
pH	5.07	4.60	7.04	1951.1	98.7	0	26	A	
K+	0.05	0.00	0.62	12.4	98.5	2	25	B	
Precip	-	0.0	35.1	230.8	100.0	59	92		
Na+	0.20	0.01	0.91	45.8	98.5	1	25	A	
SO4-- corr	0.40	0.03	1.48	92.4	98.5	0	25	A	
SO4--	0.41	0.03	1.50	95.7	98.5	0	25	A	

CH0004R CHAUMONT SWITZERLAND

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.15	0.03	0.95	51.0	98.8	0	46	A	
Ca++	0.17	0.01	2.96	58.1	98.8	12	46	A	
Cl-	0.21	0.03	2.82	73.0	98.8	3	46	A	
Mg++	0.026	0.005	0.230	9.1	98.8	14	46	B	
NO3-	0.18	0.03	0.83	62.8	98.8	0	46	A	
pH	4.90	4.24	6.69	4290.8	99.7	0	52	A	
K+	0.03	0.00	0.17	10.3	98.8	5	46	B	
Precip	-	0.0	27.9	343.6	100.0	35	91		
Na+	0.15	0.01	1.68	50.6	98.8	5	46	A	
SO4-- corr	0.21	0.05	0.99	72.8	98.8	0	46	A	
SO4--	0.22	0.06	1.03	76.8	98.8	0	46	A	

CH0005R RIGI SWITZERLAND

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.22	0.03	1.25	25.4	97.5	0	22	A	
Ca++	0.16	0.01	0.50	18.5	97.5	0	22	A	
Cl-	0.12	0.03	0.75	13.3	97.5	4	22	A	
Mg++	0.018	0.005	0.064	2.0	97.5	6	22	B	
NO3-	0.27	0.05	1.00	30.7	97.5	0	22	A	
pH	5.08	4.33	6.08	934.4	99.0	0	25	A	
K+	0.03	0.00	0.09	2.8	97.5	1	22	B	
Precip	-	0.0	11.1	113.1	100.0	62	90		
Na+	0.07	0.01	0.49	8.3	97.5	3	22	A	
SO4-- corr	0.20	0.01	0.99	23.0	97.5	1	22	A	
SO4--	0.21	0.01	0.99	23.8	97.5	1	22	A	

CH0005R RIGI SWITZERLAND

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.70	0.05	3.85	122.1	98.2	0	35	A	
Ca++	0.29	0.01	1.24	51.3	86.3	4	32	A	
Cl-	0.11	0.03	0.92	19.9	98.2	7	35	A	
Mg++	0.024	0.005	0.120	4.1	98.2	7	35	B	
NO3-	0.55	0.08	3.09	96.9	98.2	0	35	A	
pH	4.69	3.80	6.52	3543.6	98.7	0	37	A	
K+	0.04	0.00	0.16	7.1	98.2	3	35	B	
Precip	-	0.0	19.9	175.2	100.0	49	92		
Na+	0.09	0.01	0.62	16.6	98.2	3	35	A	
SO4-- corr	0.52	0.08	3.42	90.5	98.2	0	35	A	
SO4--	0.52	0.08	3.44	91.9	98.2	0	35	A	

CH0005R RIGI SWITZERLAND

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.56	0.05	2.93	220.6	99.5	0	34	A	
Ca++	0.45	0.07	2.72	179.1	99.5	0	34	A	
Cl-	0.15	0.03	0.91	59.8	99.5	4	34	A	
Mg++	0.042	0.011	0.226	16.7	99.5	0	34	B	
NO3-	0.35	0.04	1.61	140.7	99.5	0	34	A	
pH	5.00	3.93	6.94	3990.0	99.8	0	36	A	
K+	0.04	0.00	0.24	16.1	99.5	1	34	B	
Precip	-	0.0	37.0	396.3	100.0	54	92		
Na+	0.17	0.01	0.71	66.7	99.5	2	34	A	
SO4-- corr	0.38	0.03	2.15	152.2	99.5	0	34	A	
SO4--	0.40	0.03	2.21	157.9	99.5	0	34	A	

CH0005R RIGI SWITZERLAND

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.26	0.03	4.36	107.2	98.7	0	47	A	
Ca++	0.24	0.01	5.86	99.2	98.7	11	47	A	
Cl-	0.13	0.03	3.02	51.7	98.7	8	47	A	
Mg++	0.022	0.005	0.464	9.2	94.7	17	46	B	
NO3-	0.26	0.04	4.16	105.3	98.7	0	47	A	
pH	4.89	3.87	7.54	5278.5	99.8	0	56	A	
K+	0.02	0.00	0.47	9.5	98.7	5	47	B	
Precip	-	0.0	62.1	411.8	100.0	32	91		
Na+	0.08	0.01	1.97	31.7	98.7	10	47	A	
SO4-- corr	0.24	0.05	4.38	98.3	98.7	0	47	A	
SO4--	0.25	0.06	4.46	101.3	98.7	0	47	A	

CZ0001R SVRATOUCH CZECH REPUBLIC

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.73	0.16	1.14	37.4	88.5	0	5	A	W
Ca++	0.34	0.11	0.56	17.6	88.5	0	5	B	W
Cl-	0.42	0.08	0.94	21.6	90.2	0	6	A	W
Mg++	0.078	0.030	0.130	4.0	88.5	0	5	A	W
NO3-	0.78	0.34	1.58	40.0	90.2	0	6	A	W
pH	4.33	4.02	4.83	2397.6	90.2	0	6	A	W
K+	0.04	0.01	0.11	2.1	88.5	0	5	B	W
Precip	-	0.9	11.9	51.1	100.0	0	8		W
Na+	0.09	0.03	0.35	4.4	88.5	0	5	A	W
SO4-- corr	0.92	0.30	1.54	47.2	90.2	0	6	A	W
SO4--	0.97	0.30	1.63	49.6	90.2	0	6	A	W

CZ0001R SVRATOUCH CZECH REPUBLIC

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.82	0.45	3.05	122.4	99.3	0	11	A	W
Ca++	0.38	0.23	0.75	56.7	99.3	0	11	B	W
Cl-	0.45	0.08	1.43	66.9	99.3	0	11	A	W
Mg++	0.073	0.030	0.160	10.8	99.3	0	11	A	W
NO3-	0.62	0.24	3.29	92.1	99.3	0	11	A	W
pH	4.66	3.81	6.75	3233.6	100.0	0	13	A	W
K+	0.07	0.03	0.27	11.0	99.3	0	11	B	W
Precip	-	0.5	33.0	148.9	98.9	0	13		W
Na+	0.18	0.04	0.59	26.4	99.3	0	11	A	W
SO4-- corr	0.81	0.45	2.70	120.8	99.3	0	11	A	W
SO4--	0.84	0.46	2.74	125.5	99.3	0	11	A	W

CZ0001R SVRATOUCH CZECH REPUBLIC

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.54	0.39	1.00	190.8	96.7	0	10	A	W
Ca++	0.34	0.18	1.41	121.6	100.0	0	12	B	W
Cl-	0.19	0.08	1.46	67.0	100.0	0	12	A	W
Mg++	0.060	0.030	0.430	21.3	100.0	0	12	A	W
NO3-	0.40	0.03	0.61	141.7	100.0	0	12	A	W
pH	4.78	4.48	7.94	5845.9	100.0	0	12	A	W
K+	0.35	0.07	5.50	124.9	100.0	0	12	B	W
Precip	-	0.0	90.5	354.1	98.9	1	13		W
Na+	0.11	0.06	0.85	39.7	100.0	0	12	A	W
SO4-- corr	0.74	0.51	1.31	261.8	100.0	0	12	A	W
SO4--	0.75	0.52	1.38	265.5	100.0	0	12	A	W

CZ0001R SVRATOUCH CZECH REPUBLIC

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.27	0.16	0.47	83.4	97.3	0	10	A	W
Ca++	0.17	0.09	0.36	52.2	97.3	0	10	B	W
Cl-	0.19	0.08	0.43	57.1	97.3	0	10	A	W
Mg++	0.032	0.010	0.080	9.6	97.3	0	10	A	W
NO3-	0.31	0.11	0.74	96.0	97.3	0	10	A	W
pH	4.73	4.23	5.59	5738.8	97.4	0	11	A	W
K+	0.06	0.02	0.10	18.9	97.3	0	10	B	W
Precip	-	0.3	70.2	305.1	100.0	0	13		W
Na+	0.07	0.02	0.16	21.8	97.3	0	10	A	W
SO4-- corr	0.37	0.19	0.68	113.9	97.3	0	10	A	W
SO4--	0.39	0.21	0.70	119.4	97.3	0	10	A	W

CZ0003R KOSETICE CZECH REPUBLIC

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.44	0.01	1.34	12.8	95.9	0	15	A	
Ca++	0.27	0.10	0.80	8.0	95.9	0	15	B	
Cl-	0.38	0.10	0.90	11.1	95.2	0	14	A	
Mg++	0.028	0.010	0.110	0.8	92.2	0	14	A	
NO3-	0.62	0.25	1.76	18.1	95.2	0	14	A	
pH	4.40	3.82	5.26	1174.8	95.9	0	15	A	
K+	0.07	0.01	0.67	2.0	95.9	0	15	B	
Precip	-	0.0	5.1	29.4	65.6	38	59		
Na+	0.17	0.03	0.38	5.1	91.5	0	13	A	
SO4-- corr	0.62	0.21	1.59	18.1	95.2	0	14	A	
SO4--	0.63	0.24	1.61	18.5	95.2	0	14	A	

CZ0003R KOSETICE CZECH REPUBLIC

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.74	0.18	4.97	98.6	94.5	0	31	A	
Ca++	0.24	0.10	2.10	31.7	94.8	0	30	B	
Cl-	0.52	0.10	6.40	69.3	94.6	0	29	A	
Mg++	0.046	0.010	0.450	6.1	94.8	0	30	A	
NO3-	0.53	0.20	4.02	70.0	94.6	0	29	A	
pH	4.61	3.99	7.37	3234.2	95.6	0	33	A	
K+	0.08	0.02	0.86	10.0	94.6	0	29	B	
Precip	-	0.0	30.1	132.5	100.0	49	92		
Na+	0.23	0.02	3.54	31.0	94.3	0	29	A	
SO4-- corr	0.77	0.27	4.43	102.5	94.6	0	29	A	
SO4--	0.80	0.29	4.46	105.6	94.6	0	29	A	

CZ0003R KOSETICE CZECH REPUBLIC

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.71	0.23	3.56	164.0	97.1	0	43	A	
Ca++	0.25	0.00	2.70	57.8	96.9	1	43	B	
Cl-	0.22	0.10	3.20	50.3	96.7	0	42	A	
Mg++	0.043	0.010	0.230	10.0	96.9	0	43	A	
NO3-	0.51	0.30	1.53	119.3	96.7	0	42	A	
pH	4.69	3.98	6.62	4690.8	97.2	0	44	A	
K+	0.12	0.04	4.20	28.4	96.9	0	43	B	
Precip	-	0.0	19.5	232.1	100.0	41	92		
Na+	0.11	0.03	1.73	25.6	96.9	0	43	A	
SO4-- corr	0.65	0.25	2.55	151.0	96.7	0	42	A	
SO4--	0.66	0.26	2.56	154.2	96.7	0	42	A	

CZ0003R KOSETICE CZECH REPUBLIC

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.37	0.06	5.34	76.6	98.0	0	45	A	
Ca++	0.15	0.00	1.10	31.1	98.0	4	45	B	
Cl-	0.24	0.00	1.60	51.0	96.4	1	42	A	
Mg++	0.024	0.000	0.530	4.9	98.0	1	45	A	
NO3-	0.36	0.11	1.70	75.7	96.4	0	42	A	
pH	4.73	3.97	6.98	3857.1	98.1	0	46	A	
K+	0.07	0.00	0.65	14.3	97.7	1	43	B	
Precip	-	0.0	31.8	208.8	100.0	35	91		
Na+	0.11	0.00	0.74	23.4	98.0	2	45	A	
SO4-- corr	0.39	0.07	2.90	81.9	96.4	0	42	A	
SO4--	0.40	0.08	2.96	84.3	96.4	0	42	A	

DE0001R WESTERLAND GERMANY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.48	0.05	3.05	82.8	98.7	0	38	B	
Ca++	0.54	0.10	3.50	92.9	98.7	0	38	A	
Cl-	14.85	0.80	74.50	2551.9	98.7	0	38	A	
Mg++	0.982	0.060	5.570	168.7	98.7	0	38	A	
NO3-	0.54	0.17	4.96	93.4	98.7	0	38	B	
pH	4.92	3.79	6.11	2079.8	99.4	0	42	A	
K+	0.32	0.00	1.44	54.7	98.7	1	38	A	
Precip	-	0.0	18.0	171.8	100.0	40	90		
Na+	7.87	0.31	37.38	1352.2	98.7	0	38	A	
SO4-- corr	0.54	0.25	3.95	92.9	98.7	0	38	A	
SO4--	1.18	0.43	5.45	202.7	98.7	0	38	A	

DE0001R WESTERLAND GERMANY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.90	0.16	4.96	115.4	97.7	0	33	B	
Ca++	0.70	0.10	1.90	90.6	97.7	0	33	A	
Cl-	11.74	0.80	46.80	1508.5	97.7	0	33	A	
Mg++	0.770	0.020	2.850	98.9	97.7	0	33	A	
NO3-	0.85	0.23	2.76	108.7	97.7	0	33	B	
pH	4.73	3.73	5.86	2387.7	99.0	0	37	A	
K+	0.29	0.04	1.13	37.4	97.7	0	33	A	
Precip	-	0.0	20.6	128.5	100.0	47	92		
Na+	6.26	0.43	26.94	804.8	97.7	0	33	A	
SO4-- corr	0.88	0.29	3.33	112.8	97.7	0	33	A	
SO4--	1.37	0.52	3.90	176.6	97.7	0	33	A	

DE0001R WESTERLAND GERMANY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.44	0.00	2.72	95.8	99.1	12	45	B	
Ca++	0.77	0.20	5.00	169.1	99.1	0	45	A	
Cl-	10.87	0.60	92.50	2378.2	99.1	0	45	A	
Mg++	0.716	0.005	6.380	156.6	99.1	1	45	A	
NO3-	0.63	0.00	4.35	137.1	99.1	1	45	B	
pH	4.88	3.83	5.77	2898.4	99.6	0	48	A	
K+	0.34	0.00	5.61	73.3	99.1	1	45	A	
Precip	-	0.0	32.9	218.7	100.0	36	92		
Na+	5.65	0.33	47.96	1235.6	99.1	0	45	A	
SO4-- corr	0.65	0.20	4.25	143.1	99.1	0	45	A	
SO4--	1.10	0.38	6.60	240.6	99.1	0	45	A	

DE0001R WESTERLAND GERMANY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.44	0.00	6.05	144.4	99.5	4	51	B	
Ca++	0.67	0.10	3.50	221.5	99.4	0	50	A	
Cl-	17.92	0.40	124.00	5920.9	99.5	0	51	A	
Mg++	1.086	0.040	6.290	359.1	99.4	0	50	A	
NO3-	0.50	0.13	2.84	165.0	99.5	0	51	B	
pH	4.82	4.00	6.10	4972.6	99.8	0	53	A	
K+	0.28	0.04	2.01	94.1	99.4	0	50	A	
Precip	-	0.0	24.6	330.5	100.0	32	91		
Na+	9.57	0.24	68.72	3162.6	99.4	0	50	A	
SO4-- corr	0.63	0.09	5.16	207.0	99.5	0	51	A	
SO4--	1.38	0.34	5.70	457.2	99.5	0	51	A	

DE0002R LANGENBRUGGE GERMANY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.52	0.20	10.58	61.0	98.2	0	37	B	
Ca++	0.47	0.10	3.10	55.8	98.1	0	36	A	
Cl-	1.54	0.20	8.00	181.3	98.2	0	37	A	
Mg++	0.159	0.060	0.940	18.7	98.1	0	36	A	
NO3-	0.62	0.22	8.91	72.7	98.2	0	37	B	
pH	5.14	4.54	6.53	851.4	98.6	0	36	A	
K+	0.14	0.04	1.29	16.3	98.1	0	36	A	
Precip	-	0.0	8.3	117.6	100.0	39	90		
Na+	0.84	0.07	4.79	98.8	98.1	0	36	A	
SO4-- corr	0.61	0.23	8.02	71.5	98.2	0	37	A	
SO4--	0.68	0.26	8.67	80.0	98.2	0	37	A	

DE0002R LANGENBRUGGE GERMANY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.00	0.13	4.67	150.8	97.4	0	36	B	
Ca++	0.55	0.10	4.30	83.4	97.4	0	36	A	
Cl-	0.60	0.10	8.00	89.9	97.4	0	36	A	
Mg++	0.163	0.020	1.670	24.7	97.4	0	36	A	
NO3-	0.76	0.27	3.37	115.5	97.4	0	36	B	
pH	5.07	4.48	6.79	1271.2	99.3	0	42	A	
K+	0.14	0.00	0.96	21.5	97.4	1	36	A	
Precip	-	0.0	13.3	151.0	97.8	39	90		
Na+	0.25	0.02	4.02	38.6	97.4	0	36	A	
SO4-- corr	0.76	0.26	4.27	114.9	97.4	0	36	A	
SO4--	0.79	0.26	4.33	119.9	97.4	0	36	A	

DE0002R LANGENBRUGGE GERMANY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.66	0.13	5.52	167.7	99.3	0	51	B	
Ca++	0.54	0.20	7.70	138.8	99.3	0	51	A	
Cl-	0.55	0.10	11.30	139.7	99.3	0	52	A	
Mg++	0.111	0.005	0.900	28.4	99.3	2	51	A	
NO3-	0.60	0.21	9.18	153.4	99.3	0	52	B	
pH	5.11	4.34	6.75	1956.3	99.5	0	50	A	
K+	0.12	0.02	0.73	30.4	99.3	0	51	A	
Precip	-	0.0	24.4	255.1	100.0	29	92		
Na+	0.29	0.05	5.82	74.5	99.3	0	51	A	
SO4-- corr	0.63	0.25	9.12	160.7	99.3	0	52	A	
SO4--	0.66	0.29	9.32	168.5	99.3	0	52	A	

DE0002R LANGENBRUGGE GERMANY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.43	0.00	3.50	111.8	99.3	1	47	B	
Ca++	0.47	0.30	3.70	122.7	99.3	0	46	A	
Cl-	0.94	0.10	9.30	244.9	99.2	0	45	A	
Mg++	0.123	0.030	1.000	32.0	99.3	0	46	A	
NO3-	0.46	0.17	6.19	120.2	99.2	0	45	B	
pH	5.02	4.16	6.57	2473.4	99.3	0	45	A	
K+	0.09	0.02	0.48	24.2	99.3	0	46	A	
Precip	-	0.0	55.5	259.0	100.0	29	91		
Na+	0.49	0.00	4.81	125.9	99.3	1	46	A	
SO4-- corr	0.51	0.14	2.97	132.2	99.2	0	45	A	
SO4--	0.55	0.14	3.39	143.3	99.2	0	45	A	

DE0003R SCHAUINSLAND GERMANY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.25	0.03	3.76	131.6	99.7	0	40	B	
Ca++	0.18	0.00	13.20	92.4	99.8	2	41	A	
Cl-	0.49	0.10	5.70	257.7	99.7	0	40	A	
Mg++	0.047	0.005	6.600	24.7	99.8	0	41	A	
NO3-	0.30	0.11	3.18	157.5	99.7	0	40	B	
pH	5.13	4.38	5.72	3880.2	99.9	0	43	A	
K+	0.05	0.00	5.17	26.0	99.8	0	41	A	
Precip	-	0.0	63.9	525.9	100.0	44	90		
Na+	0.27	0.02	5.72	142.0	99.8	0	41	A	
SO4-- corr	0.32	0.16	2.07	168.2	99.7	0	40	A	
SO4--	0.34	0.18	2.13	180.1	99.7	0	40	A	

DE0003R SCHAUINSLAND GERMANY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.63	0.02	6.08	268.6	99.5	0	47	B	
Ca++	0.25	0.10	3.60	105.0	99.5	0	47	A	
Cl-	0.32	0.10	2.40	137.7	99.5	0	47	A	
Mg++	0.046	0.005	0.540	19.4	99.5	2	47	A	
NO3-	0.46	0.16	3.66	197.7	99.5	0	47	B	
pH	4.84	3.74	5.88	6230.9	99.7	0	50	A	
K+	0.06	0.00	1.97	27.5	99.5	3	47	A	
Precip	-	0.0	36.6	426.0	100.0	34	92		
Na+	0.17	0.00	1.38	71.7	99.5	1	47	A	
SO4-- corr	0.51	0.15	5.14	217.3	99.5	0	47	A	
SO4--	0.53	0.16	5.17	225.2	99.5	0	47	A	

DE0003R SCHAUINSLAND GERMANY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.49	0.12	1.73	188.2	99.6	0	38	B	
Ca++	0.34	0.10	3.20	132.6	99.6	0	38	A	
Cl-	0.26	0.10	1.70	102.6	99.6	0	38	A	
Mg++	0.057	0.020	0.510	22.1	99.6	0	38	A	
NO3-	0.37	0.12	1.59	141.7	99.6	0	38	B	
pH	5.04	4.26	6.60	3542.8	99.8	0	39	A	
K+	0.10	0.02	0.59	38.2	99.6	0	38	A	
Precip	-	0.0	38.7	386.7	100.0	48	92		
Na+	0.17	0.04	1.50	67.4	99.6	0	38	A	
SO4-- corr	0.53	0.17	2.01	205.1	99.6	0	38	A	
SO4--	0.55	0.18	2.03	211.7	99.6	0	38	A	

DE0003R SCHAUINSLAND GERMANY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.21	0.00	1.67	123.2	96.3	2	52	B	
Ca++	0.26	0.10	2.40	153.6	96.3	0	52	A	
Cl-	0.43	0.10	4.30	251.9	96.3	0	52	A	
Mg++	0.052	0.005	0.310	30.6	96.3	2	52	A	
NO3-	0.27	0.12	2.34	159.9	96.3	0	52	B	
pH	4.86	4.03	6.61	8133.9	96.9	0	59	A	
K+	0.08	0.00	0.89	43.9	96.3	1	52	A	
Precip	-	0.0	45.8	584.5	100.0	25	91		
Na+	0.26	0.00	2.94	150.8	96.3	1	52	A	
SO4-- corr	0.36	0.13	1.71	210.9	96.3	0	52	A	
SO4--	0.38	0.14	1.84	225.3	96.3	0	52	A	

DE0004R DEUSELBACH GERMANY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.29	0.08	4.20	44.8	99.5	0	39	B	
Ca++	0.20	0.00	1.30	29.9	99.3	1	36	A	
Cl-	1.18	0.10	17.30	179.2	99.5	0	39	A	
Mg++	0.091	0.005	0.330	13.8	99.3	0	36	A	
NO3-	0.33	0.12	4.04	49.7	99.5	0	39	B	
pH	5.13	4.17	6.11	1128.4	98.8	0	33	A	
K+	0.05	0.00	0.50	6.9	99.3	1	36	A	
Precip	-	0.0	16.4	152.1	100.0	43	90		
Na+	0.62	0.03	2.84	93.9	99.3	0	36	A	
SO4-- corr	0.37	0.16	4.67	56.3	99.5	0	39	A	
SO4--	0.43	0.23	4.76	64.7	99.5	0	39	A	

DE0004R DEUSELBACH GERMANY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.64	0.16	6.32	143.5	99.8	0	47	B	
Ca++	0.30	0.00	4.90	67.9	99.8	1	47	A	
Cl-	0.48	0.10	8.90	108.2	99.8	0	47	A	
Mg++	0.053	0.005	0.640	12.0	99.8	1	47	A	
NO3-	0.49	0.15	4.00	110.5	99.8	0	47	B	
pH	4.68	3.56	6.41	4750.1	99.4	0	43	A	
K+	0.07	0.00	0.50	15.1	99.8	3	47	A	
Precip	-	0.0	21.9	225.3	100.0	40	92		
Na+	0.20	0.00	4.28	45.1	99.8	1	47	A	
SO4-- corr	0.58	0.23	5.47	131.8	99.8	0	47	A	
SO4--	0.61	0.24	5.83	138.4	99.8	0	47	A	

DE0004R DEUSELBACH GERMANY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.43	0.03	3.73	53.2	99.8	0	41	B	
Ca++	0.51	0.00	5.40	63.5	99.8	1	41	A	
Cl-	0.36	0.10	4.90	45.1	99.8	0	41	A	
Mg++	0.104	0.020	3.710	13.0	99.8	0	41	A	
NO3-	0.47	0.19	2.31	58.1	99.8	0	41	B	
pH	4.84	3.92	6.42	1786.7	99.3	0	36	A	
K+	0.06	0.00	2.44	7.9	99.8	3	41	A	
Precip	-	0.0	9.2	125.0	100.0	49	92		
Na+	0.16	0.00	2.19	19.4	99.8	5	41	A	
SO4-- corr	0.55	0.16	2.99	68.4	99.8	0	41	A	
SO4--	0.57	0.17	3.03	70.8	99.8	0	41	A	

DE0004R DEUSELBACH GERMANY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.26	0.00	3.13	74.8	99.8	1	61	B	
Ca++	0.41	0.10	4.00	120.5	99.8	0	61	A	
Cl-	0.69	0.10	11.10	201.9	99.8	0	61	A	
Mg++	0.084	0.020	1.090	24.4	99.8	0	61	A	
NO3-	0.39	0.13	3.45	112.4	99.8	0	61	B	
pH	4.75	4.22	6.19	5131.6	99.3	0	55	A	
K+	0.07	0.00	1.82	20.9	99.8	2	61	A	
Precip	-	0.0	21.9	290.8	100.0	24	91		
Na+	0.38	0.00	5.90	109.0	99.8	2	61	A	
SO4-- corr	0.42	0.12	2.56	123.1	99.8	0	61	A	
SO4--	0.46	0.14	2.59	134.2	99.8	0	61	A	

DE0005R BROTJACKLRIEGEL GERMANY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.54	0.14	3.47	64.3	99.2	0	33	B	
Ca++	0.27	0.00	2.90	31.9	99.2	1	33	A	
Cl-	0.38	0.10	3.30	44.6	99.2	0	33	A	
Mg++	0.033	0.005	0.190	3.9	99.2	2	33	A	
NO3-	0.59	0.23	3.15	70.4	99.2	0	33	B	
pH	5.02	4.15	5.73	1129.8	99.7	0	35	A	
K+	0.09	0.00	1.15	11.2	99.2	0	33	A	
Precip	-	0.0	13.2	118.5	100.0	51	90		
Na+	0.22	0.04	1.73	25.6	99.2	0	33	A	
SO4-- corr	0.51	0.17	2.59	61.0	99.2	0	33	A	
SO4--	0.53	0.17	2.66	63.1	99.2	0	33	A	

DE0005R BROTJACKLRIEGEL GERMANY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.34	0.33	5.23	205.2	98.7	0	37	B	
Ca++	0.34	0.00	2.20	52.3	98.7	1	37	A	
Cl-	0.42	0.10	2.40	64.3	98.7	0	37	A	
Mg++	0.058	0.005	0.280	8.8	98.7	3	37	A	
NO3-	0.77	0.00	3.98	118.8	98.7	1	37	B	
pH	4.78	3.84	6.63	2535.2	99.9	0	43	A	
K+	0.18	0.00	1.64	27.3	98.7	6	37	A	
Precip	-	0.0	17.6	153.2	100.0	47	92		
Na+	0.21	0.00	1.48	32.5	98.7	3	37	A	
SO4-- corr	0.78	0.14	3.72	119.1	98.7	0	37	A	
SO4--	0.80	0.18	3.74	122.6	98.7	0	37	A	

DE0005R BROTJACKLRIEGEL GERMANY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.61	0.02	2.71	207.7	99.6	0	39	B	
Ca++	0.35	0.00	3.50	119.3	99.6	1	39	A	
Cl-	0.16	0.00	0.70	53.5	99.6	2	39	A	
Mg++	0.029	0.005	0.180	9.7	99.6	10	39	A	
NO3-	0.50	0.20	2.39	169.2	99.6	0	39	B	
pH	4.86	3.93	6.78	4732.7	99.8	0	41	A	
K+	0.12	0.00	0.94	40.4	99.6	4	39	A	
Precip	-	0.0	30.5	339.1	100.0	50	92		
Na+	0.09	0.00	0.56	30.3	99.6	2	39	A	
SO4-- corr	0.58	0.20	3.46	197.6	99.6	0	39	A	
SO4--	0.59	0.20	3.50	200.9	99.6	0	39	A	

DE0005R BROTJACKLRIEGEL GERMANY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.35	0.02	1.75	157.3	99.9	0	52	B	
Ca++	0.18	0.10	1.60	80.7	99.9	0	53	A	
Cl-	0.22	0.10	2.80	102.4	99.9	0	53	A	
Mg++	0.025	0.005	0.310	11.3	99.9	15	53	A	
NO3-	0.38	0.14	2.19	171.8	99.9	0	53	B	
pH	4.87	3.94	6.70	6140.8	99.9	0	52	A	
K+	0.10	0.00	0.54	44.0	99.9	1	53	A	
Precip	-	0.0	32.6	454.5	100.0	35	91		
Na+	0.16	0.00	2.68	70.2	99.9	2	53	A	
SO4-- corr	0.37	0.14	1.61	169.1	99.9	0	53	A	
SO4--	0.38	0.19	1.66	175.1	99.9	0	53	A	

DE0007R NEUGLOBSOW GERMANY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.49	0.15	3.53	56.8	96.9	0	31	B	
Ca++	0.29	0.10	0.90	34.4	96.9	0	31	A	
Cl-	0.96	0.10	7.50	112.2	96.9	0	31	A	
Mg++	0.075	0.005	0.420	8.8	96.9	1	31	A	
NO3-	0.62	0.25	2.41	72.7	96.9	0	31	B	
pH	4.77	4.14	6.26	1971.8	98.8	0	36	A	
K+	0.06	0.00	0.41	7.5	96.9	2	31	A	
Precip	-	0.0	18.1	116.6	100.0	44	90		
Na+	0.56	0.02	2.55	65.1	96.9	0	31	A	
SO4-- corr	0.51	0.21	2.44	59.2	96.9	0	31	A	
SO4--	0.56	0.25	2.52	64.7	96.9	0	31	A	

DE0007R NEUGLOBSOW GERMANY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.06	0.21	5.01	113.7	98.2	0	36	B	
Ca++	0.41	0.00	1.90	43.4	98.2	1	36	A	
Cl-	0.60	0.20	5.00	64.2	98.2	0	36	A	
Mg++	0.064	0.005	0.350	6.8	98.2	1	36	A	
NO3-	0.76	0.27	2.20	81.1	98.2	0	36	B	
pH	4.69	4.17	6.44	2187.0	98.8	0	37	A	
K+	0.13	0.00	0.87	14.0	98.2	2	36	A	
Precip	-	0.0	10.0	107.0	100.0	46	92		
Na+	0.31	0.04	2.75	33.2	98.2	0	36	A	
SO4-- corr	0.88	0.19	3.38	94.3	98.2	0	36	A	
SO4--	0.91	0.25	3.39	97.6	98.2	0	36	A	

DE0007R NEUGLOBSOW GERMANY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.13	0.01	7.12	170.3	98.3	0	39	B	
Ca++	0.45	0.10	1.50	68.0	97.9	0	38	A	
Cl-	0.52	0.10	3.70	79.2	98.3	0	39	A	
Mg++	0.066	0.020	0.240	9.9	97.9	0	38	A	
NO3-	0.64	0.18	1.75	96.9	98.3	0	39	B	
pH	4.67	4.00	7.00	3229.1	98.9	0	41	A	
K+	0.19	0.00	3.02	28.8	97.9	4	38	A	
Precip	-	0.0	13.8	150.9	100.0	40	92		
Na+	0.24	0.02	1.75	35.8	97.9	0	38	A	
SO4-- corr	0.92	0.03	3.16	139.3	98.3	0	39	A	
SO4--	0.95	0.09	3.30	143.3	98.3	0	39	A	

DE0007R NEUGLOBSOW GERMANY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.33	0.03	3.84	50.4	97.9	0	32	B	
Ca++	0.30	0.10	1.10	46.6	97.9	0	32	A	
Cl-	0.91	0.10	6.80	139.9	97.9	0	32	A	
Mg++	0.074	0.005	0.470	11.4	97.9	3	32	A	
NO3-	0.39	0.16	1.45	60.1	97.9	0	32	B	
pH	4.82	3.88	6.88	2359.4	99.3	0	37	A	
K+	0.06	0.00	1.18	9.1	97.9	2	32	A	
Precip	-	0.0	24.6	154.3	100.0	45	91		
Na+	0.48	0.00	3.71	74.7	97.9	1	32	A	
SO4-- corr	0.44	0.18	3.83	67.3	97.9	0	32	A	
SO4--	0.48	0.19	3.84	74.0	97.9	0	32	A	

DE0008R SCHMUCKE GERMANY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.48	0.12	3.66	138.5	98.9	0	46	B	
Ca++	0.09	0.00	0.80	25.2	98.7	6	45	A	
Cl-	0.65	0.20	5.20	187.2	98.9	0	46	A	
Mg++	0.044	0.005	0.340	12.6	98.8	2	46	A	
NO3-	0.51	0.21	3.23	146.8	98.9	0	46	B	
pH	4.82	3.96	5.41	4367.3	99.1	0	49	A	
K+	0.05	0.00	0.50	14.5	98.7	3	45	A	
Precip	-	0.0	20.9	287.9	100.0	17	90		
Na+	0.34	0.03	2.86	97.9	98.7	0	45	A	
SO4-- corr	0.50	0.12	3.95	143.4	98.9	0	46	A	
SO4--	0.53	0.14	4.03	151.7	98.9	0	46	A	

DE0008R SCHMUCKE GERMANY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.81	0.26	4.40	215.4	98.6	0	41	B	
Ca++	0.25	0.00	0.90	65.1	98.6	2	41	A	
Cl-	0.48	0.10	7.60	127.2	98.8	0	42	A	
Mg++	0.049	0.005	0.500	13.0	98.6	8	41	A	
NO3-	0.63	0.20	3.52	167.3	98.8	0	42	B	
pH	4.65	3.89	5.74	5895.9	98.9	0	43	A	
K+	0.07	0.00	0.30	19.7	98.6	3	41	A	
Precip	-	0.0	44.7	265.2	100.0	21	92		
Na+	0.27	0.03	4.46	71.1	98.6	0	41	A	
SO4-- corr	0.66	0.17	5.29	174.7	98.8	0	42	A	
SO4--	0.68	0.17	5.41	180.8	98.8	0	42	A	

DE0008R SCHMUCKE GERMANY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.69	0.19	5.63	256.0	99.3	0	47	B	
Ca++	0.20	0.00	4.40	72.9	99.4	1	48	A	
Cl-	0.26	0.10	2.90	97.8	99.4	0	48	A	
Mg++	0.026	0.005	0.280	9.7	99.4	4	48	A	
NO3-	0.56	0.23	2.37	205.1	99.4	0	48	B	
pH	4.56	3.93	6.16	10124.2	99.5	0	49	A	
K+	0.11	0.00	1.74	40.2	99.4	2	48	A	
Precip	-	0.0	27.8	369.3	100.0	25	92		
Na+	0.11	0.02	0.89	40.6	99.4	0	48	A	
SO4-- corr	0.66	0.29	3.07	243.4	99.4	0	48	A	
SO4--	0.67	0.29	3.10	247.9	99.4	0	48	A	

DE0008R SCHMUCKE GERMANY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.26	0.00	2.16	165.2	99.5	1	61	B	
Ca++	0.07	0.00	0.40	46.6	99.4	15	59	A	
Cl-	0.38	0.10	3.10	242.4	99.5	0	61	A	
Mg++	0.034	0.005	0.250	21.5	99.4	13	59	A	
NO3-	0.35	0.15	3.28	224.0	99.5	0	61	B	
pH	4.69	3.51	5.35	13018.6	99.6	0	63	A	
K+	0.05	0.00	0.38	32.1	99.4	4	59	A	
Precip	-	0.0	85.2	640.9	100.0	7	91		
Na+	0.24	0.04	1.85	153.2	99.4	0	59	A	
SO4-- corr	0.36	0.13	10.06	229.8	99.5	0	61	A	
SO4--	0.38	0.14	10.20	242.2	99.5	0	61	A	

DE0009R ZINGST GERMANY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.56	0.17	4.51	68.9	98.0	0	39	B	
Ca++	0.48	0.20	2.70	58.4	97.5	0	37	A	
Cl-	1.75	0.20	7.30	214.1	98.0	0	39	A	
Mg++	0.158	0.020	0.460	19.3	97.5	0	37	A	
NO3-	0.67	0.19	4.44	81.6	98.0	0	39	B	
pH	4.93	4.01	6.47	1443.7	98.9	0	43	A	
K+	0.10	0.00	0.25	12.2	97.5	1	37	A	
Precip	-	0.0	11.1	122.0	100.0	35	90		
Na+	0.94	0.14	3.18	114.8	97.5	0	37	A	
SO4-- corr	0.63	0.20	3.46	76.5	98.0	0	39	A	
SO4--	0.71	0.28	3.63	86.7	98.0	0	39	A	

DE0009R ZINGST GERMANY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.87	0.13	6.35	116.3	99.4	0	36	B	
Ca++	0.90	0.10	7.40	119.4	99.4	0	36	A	
Cl-	1.14	0.20	5.90	151.8	99.4	0	36	A	
Mg++	0.233	0.005	1.650	31.1	99.4	1	36	A	
NO3-	0.67	0.27	3.29	89.2	99.4	0	36	B	
pH	5.11	4.07	6.82	1047.5	99.6	0	37	A	
K+	0.14	0.00	1.68	18.2	99.4	3	36	A	
Precip	-	0.0	14.6	133.3	100.0	51	92		
Na+	0.66	0.07	3.30	87.7	99.4	0	36	A	
SO4-- corr	1.12	0.26	6.22	149.7	99.4	0	36	A	
SO4--	1.19	0.28	6.32	158.4	99.4	0	36	A	

DE0009R ZINGST GERMANY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.53	0.00	3.52	111.6	99.1	2	46	B	
Ca++	0.65	0.10	4.10	137.8	99.0	0	45	A	
Cl-	1.01	0.10	25.40	213.8	99.2	0	47	A	
Mg++	0.152	0.040	1.560	32.2	99.0	0	45	A	
NO3-	0.56	0.08	2.83	118.2	99.2	0	47	B	
pH	5.04	3.96	6.65	1934.8	99.4	0	48	A	
K+	0.12	0.00	2.84	24.8	99.0	2	45	A	
Precip	-	0.0	28.6	212.1	100.0	34	92		
Na+	0.56	0.03	14.04	119.8	99.0	0	45	A	
SO4-- corr	0.69	0.08	4.22	146.2	99.2	0	47	A	
SO4--	0.75	0.11	4.39	158.5	99.2	0	47	A	

DE0009R ZINGST GERMANY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.26	0.00	2.50	50.8	99.3	2	38	B	
Ca++	0.68	0.20	7.10	131.6	99.4	0	39	A	
Cl-	3.45	0.20	24.20	664.1	99.4	0	39	A	
Mg++	0.326	0.020	1.900	62.8	99.4	0	39	A	
NO3-	0.43	0.15	3.59	82.4	99.4	0	39	B	
pH	4.91	4.10	6.94	2362.6	99.6	0	41	A	
K+	0.18	0.04	0.98	34.8	99.4	0	39	A	
Precip	-	0.0	23.3	192.7	100.0	45	91		
Na+	1.90	0.00	12.38	366.8	99.4	1	39	A	
SO4-- corr	0.67	0.20	6.09	129.8	99.4	0	39	A	
SO4--	0.85	0.25	6.29	162.9	99.4	0	39	A	

DK0003R TANGE DENMARK

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.29	0.00	2.07	45.5	98.1	1	44	A	
Ca++	0.16	0.02	1.83	24.6	96.5	0	39	A	
Cl-	3.18	0.15	35.40	501.1	97.6	0	51	A	
Mg++	0.206	0.020	1.280	32.5	87.0	0	33	B	
NO3-	0.37	0.01	2.44	57.5	99.1	0	51	A	
pH	4.90	4.17	5.79	1999.3	93.8	0	34	A	
K+	0.06	0.00	0.47	9.3	96.5	1	39	B	
Precip	-	0.0	14.2	157.6	100.0	25	90		
Na+	1.72	0.18	10.89	271.0	96.5	0	39	A	
SO4-- corr	0.33	0.00	2.52	51.8	99.3	0	52	A	
SO4--	0.47	0.03	2.56	74.5	99.3	0	52	A	

DK0003R TANGE DENMARK

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.83	0.00	2.30	144.0	96.6	1	42	A	
Ca++	0.15	0.02	0.99	26.8	96.7	0	36	A	
Cl-	1.03	0.12	10.60	179.6	94.0	0	42	A	
Mg++	0.080	0.010	0.530	13.9	95.8	0	34	B	
NO3-	0.50	0.07	2.95	87.9	97.6	0	45	A	
pH	4.90	4.12	6.15	2215.3	95.4	0	33	A	
K+	0.05	0.01	0.34	8.4	95.3	0	33	B	
Precip	-	0.0	34.3	174.4	100.0	35	92		
Na+	0.59	0.07	4.09	102.4	95.6	0	34	A	
SO4-- corr	0.56	0.01	1.97	98.2	97.6	0	45	A	
SO4--	0.62	0.12	1.99	107.2	97.6	0	45	A	

DK0003R TANGE DENMARK

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.53	0.03	4.73	140.9	98.7	0	41	A	
Ca++	0.09	0.01	0.99	24.3	96.6	0	38	A	
Cl-	1.43	0.08	197.00	379.7	99.8	0	48	A	
Mg++	0.078	0.010	0.790	20.7	97.9	0	38	B	
NO3-	0.37	0.03	2.78	98.2	99.8	0	48	A	
pH	4.86	4.22	6.64	3648.3	97.2	0	35	A	
K+	0.06	0.01	0.99	16.2	98.7	0	40	B	
Precip	-	0.0	34.1	264.9	100.0	36	92		
Na+	0.71	0.05	9.99	189.4	98.2	0	39	A	
SO4-- corr	0.47	0.02	3.51	125.4	99.8	0	48	A	
SO4--	0.54	0.08	11.90	142.4	99.8	0	48	A	

DK0003R TANGE DENMARK

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.23	0.00	2.39	49.7	98.3	0	41	A	
Ca++	0.13	0.02	0.58	27.8	92.4	0	34	A	
Cl-	4.36	0.34	29.40	952.9	99.7	0	49	A	
Mg++	0.291	0.020	1.910	63.6	93.6	0	32	B	
NO3-	0.31	0.03	5.53	67.6	99.7	0	49	A	
pH	4.76	3.83	6.94	3763.5	96.9	0	35	A	
K+	0.09	0.01	0.65	19.2	96.7	0	35	B	
Precip	-	0.0	23.4	218.8	100.0	36	91		
Na+	2.48	0.24	16.83	541.9	96.2	0	34	A	
SO4-- corr	0.32	0.00	3.47	69.8	99.7	1	49	A	
SO4--	0.52	0.12	3.78	113.0	99.7	0	49	A	

DK0005R KELDSNOR DENMARK

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.32	0.05	1.55	43.9	98.9	0	42	A	
Ca++	0.25	0.04	2.42	34.8	96.9	0	36	A	
Cl-	5.66	0.37	21.00	775.8	98.2	0	42	A	
Mg++	0.372	0.020	1.480	51.0	95.8	0	35	B	
NO3-	0.41	0.18	1.61	56.3	98.2	0	42	A	
pH	4.94	4.37	6.28	1563.2	92.5	0	30	A	
K+	0.25	0.03	1.06	33.8	96.9	0	36	B	
Precip	-	0.0	16.7	137.0	100.0	17	90		
Na+	3.29	0.30	12.06	450.3	96.0	0	35	A	
SO4-- corr	0.35	0.12	2.63	48.5	98.2	0	42	A	
SO4--	0.62	0.23	2.77	84.6	98.2	0	42	A	

DK0005R KELDSNOR DENMARK

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.69	0.08	2.71	108.5	97.3	0	34	A	
Ca++	0.24	0.02	1.12	37.8	97.5	0	33	A	
Cl-	1.68	0.16	9.28	264.2	90.5	0	38	A	
Mg++	0.117	0.020	0.460	18.4	96.4	0	31	B	
NO3-	0.59	0.04	3.65	92.3	99.5	0	41	A	
pH	4.82	4.08	6.45	2405.0	85.0	0	24	A	
K+	0.14	0.02	0.52	21.5	96.2	0	31	B	
Precip	-	0.0	13.8	157.1	100.0	33	92		
Na+	1.11	0.11	5.40	173.6	96.5	0	32	A	
SO4-- corr	0.66	-0.36	3.58	103.8	99.5	1	41	A	
SO4--	0.75	0.05	3.73	117.0	99.5	0	41	A	

DK0005R KELDSNOR DENMARK

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.75	0.05	4.91	126.0	92.3	0	44	A	
Ca++	0.35	0.03	3.90	57.9	97.7	0	44	A	
Cl-	1.70	0.26	11.30	284.6	99.6	0	51	A	
Mg++	0.130	0.030	0.660	21.7	98.8	0	46	B	
NO3-	0.53	0.02	3.64	89.2	99.6	0	51	A	
pH	5.10	4.24	7.00	1340.1	87.5	0	33	A	
K+	0.22	0.04	1.27	37.4	91.9	0	43	B	
Precip	-	0.0	10.4	167.4	100.0	25	92		
Na+	1.11	0.30	6.21	185.1	96.7	0	44	A	
SO4-- corr	0.54	0.10	3.26	90.3	99.6	0	51	A	
SO4--	0.63	0.18	3.35	104.7	99.6	0	51	A	

DK0005R KELDSNOR DENMARK

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.38	0.00	2.05	70.1	99.2	0	47	A	
Ca++	0.26	0.05	1.15	47.4	98.6	0	44	A	
Cl-	4.93	0.66	20.20	899.2	99.7	0	51	A	
Mg++	0.321	0.060	1.400	58.5	98.6	0	44	B	
NO3-	0.51	0.05	3.47	93.4	99.7	0	51	A	
pH	4.80	4.05	6.50	2863.7	95.9	0	37	A	
K+	0.24	0.04	1.39	43.9	98.6	0	44	B	
Precip	-	0.0	16.3	182.5	100.0	28	91		
Na+	2.79	0.40	12.30	508.3	98.2	0	43	A	
SO4-- corr	0.44	0.06	5.48	80.6	99.7	0	51	A	
SO4--	0.67	0.20	5.74	121.5	99.7	0	51	A	

DK0008R ANHOLT DENMARK

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.32	0.12	1.02	55.1	99.8	0	13	A	W
Ca++	0.18	0.06	1.12	30.4	99.8	0	13	A	W
Cl-	4.70	1.50	34.60	801.5	99.8	0	13	A	W
Mg++	0.327	0.100	2.420	55.7	99.8	0	13	B	W
NO3-	0.54	0.27	1.51	91.9	99.8	0	13	A	W
pH	4.79	4.34	5.39	2741.8	99.8	0	13	A	W
K+	0.12	0.04	0.82	19.9	99.8	0	13	B	W
Precip	-	0.0	38.4	170.6	100.0	0	16		W
Na+	2.72	0.00	21.01	463.7	99.8	1	13	A	W
SO4-- corr	0.37	0.18	0.73	62.3	99.8	0	13	A	W
SO4--	0.58	0.26	2.31	99.8	99.8	0	13	A	W

DK0008R ANHOLT DENMARK

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.55	0.00	1.84	62.0	99.9	1	12	A	W
Ca++	0.29	0.11	0.95	33.0	99.9	0	12	A	W
Cl-	5.13	0.50	20.40	573.5	99.9	0	12	A	W
Mg++	0.373	0.080	1.650	41.8	99.9	0	12	B	W
NO3-	0.63	0.05	2.09	70.2	99.9	0	12	A	W
pH	4.65	4.17	6.26	2526.3	99.9	0	12	A	W
K+	0.23	0.05	2.56	26.1	99.9	0	12	B	W
Precip	-	0.0	35.0	111.9	98.9	3	16		W
Na+	3.04	0.50	12.87	340.3	99.9	0	12	A	W
SO4-- corr	0.62	0.22	1.85	69.6	99.9	0	12	A	W
SO4--	0.87	0.34	2.06	97.7	99.9	0	12	A	W

DK0008R ANHOLT DENMARK

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.31	0.05	1.04	66.2	100.0	0	15	A	W
Ca++	0.24	0.07	0.61	52.1	100.0	0	15	A	W
Cl-	5.73	1.25	16.10	1242.0	100.0	0	15	A	W
Mg++	0.378	0.110	1.010	81.9	100.0	0	15	B	W
NO3-	0.41	0.16	1.14	87.9	100.0	0	15	A	W
pH	4.69	4.34	5.43	4442.1	99.9	0	14	A	W
K+	0.18	0.07	0.54	39.4	100.0	0	15	B	W
Precip	-	0.0	51.4	216.6	106.5	1	17		W
Na+	3.36	0.81	9.48	727.5	100.0	0	15	A	W
SO4-- corr	0.44	0.22	0.95	95.7	100.0	0	15	A	W
SO4--	0.72	0.47	1.57	156.1	100.0	0	15	A	W

DK0008R ANHOLT DENMARK

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.26	0.10	0.93	61.1	100.0	0	12	A	W
Ca++	0.19	0.09	0.68	45.6	100.0	0	12	A	W
Cl-	5.70	0.31	18.70	1333.5	100.0	0	12	A	W
Mg++	0.373	0.040	1.190	87.2	100.0	0	12	B	W
NO3-	0.48	0.20	1.59	111.7	100.0	0	12	A	W
pH	4.55	4.15	5.11	6520.4	100.0	0	12	A	W
K+	0.14	0.07	0.40	31.9	100.0	0	12	B	W
Precip	-	0.0	43.2	233.9	100.0	3	15		W
Na+	3.38	0.41	11.30	790.5	100.0	0	12	A	W
SO4-- corr	0.37	0.09	1.71	85.7	100.0	0	12	A	W
SO4--	0.64	0.34	1.81	150.8	100.0	0	12	A	W

EE0009R LAHEMAA ESTONIA

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.17	0.00	0.42	16.5	74.1	3	18	A	
Ca++	1.91	0.10	22.80	183.1	87.3	0	29	D	
Cl-	1.66	0.40	6.00	158.5	86.6	0	30	B	
Mg++	0.266	0.030	1.500	25.5	87.3	0	29	C	
NO3-	0.43	0.01	2.10	41.4	86.6	1	30	A	
pH	5.34	4.39	7.84	436.5	94.7	0	37	A	
K+	0.19	0.05	1.82	18.3	87.8	5	30	C	
Precip	-	0.0	16.9	95.6	98.9	51	89		
Na+	0.88	0.13	2.70	84.1	87.3	0	29	B	
SO4-- corr	0.78	0.13	4.95	74.8	86.6	0	30	A	
SO4--	0.86	0.21	5.01	82.4	86.6	0	30	A	

EE0009R LAHEMAA ESTONIA

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.29	0.00	2.40	40.1	99.4	2	20	A	
Ca++	3.03	0.20	7.40	422.5	96.6	0	16	D	
Cl-	0.77	0.20	2.60	108.3	99.6	0	20	B	
Mg++	0.122	0.040	0.400	17.0	96.6	0	16	C	
NO3-	0.34	0.01	1.81	48.1	99.6	1	20	A	
pH	5.31	4.22	7.72	680.9	100.0	0	21	A	
K+	0.39	0.05	1.65	54.8	96.6	4	16	C	
Precip	-	0.0	27.3	139.7	100.0	71	92		
Na+	0.35	0.05	1.66	49.4	96.6	0	16	B	
SO4-- corr	0.95	0.09	5.59	133.2	99.6	0	20	A	
SO4--	1.01	0.12	5.71	141.7	99.6	0	20	A	

EE0009R LAHEMAA ESTONIA

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.13	0.01	0.80	55.1	99.6	0	49	A	
Ca++	1.91	0.10	9.10	833.1	100.0	0	51	D	
Cl-	0.64	0.10	4.20	279.9	99.8	0	50	B	
Mg++	0.059	0.005	0.350	25.5	100.0	1	51	C	
NO3-	0.14	0.00	0.73	59.7	99.8	24	50	A	
pH	5.12	4.16	8.09	3300.2	100.0	0	51	A	
K+	0.12	0.05	1.45	50.3	100.0	28	51	C	
Precip	-	0.0	43.3	435.2	100.0	42	92		
Na+	0.13	0.04	0.56	55.8	100.0	11	51	B	
SO4-- corr	0.37	-0.02	2.14	159.2	99.8	2	50	A	
SO4--	0.40	0.00	2.21	171.9	99.8	1	50	A	

EE0009R LAHEMAA ESTONIA

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.09	0.00	0.94	10.9	96.8	6	29	A	
Ca++	0.68	0.10	4.00	86.9	96.8	0	29	D	
Cl-	0.89	0.20	5.90	113.7	99.1	0	33	B	
Mg++	0.058	0.005	0.410	7.5	96.8	3	29	C	
NO3-	0.24	0.01	0.92	30.8	99.1	3	33	A	
pH	4.76	4.19	6.49	2240.2	100.0	0	35	A	
K+	0.11	0.05	0.49	13.6	96.8	13	29	C	
Precip	-	0.0	10.9	127.5	100.0	56	91		
Na+	0.38	0.05	3.55	48.9	96.8	10	29	B	
SO4-- corr	0.34	0.12	2.25	43.1	99.1	0	33	A	
SO4--	0.38	0.12	2.28	48.2	99.1	0	33	A	

EE0011R VILSANDI ESTONIA

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.28	0.24	0.40	19.4	100.0	0	3	A	
Ca++	0.55	0.40	0.70	38.1	100.0	0	3	D	
Cl-	2.33	1.40	2.90	161.7	100.0	0	3	B	
Mg++	0.186	0.170	0.210	12.9	100.0	0	3	C	
NO3-	0.61	0.55	0.76	42.5	100.0	0	3	A	
pH	4.58	4.39	5.36	1814.7	100.0	0	3	A	
K+	0.08	0.05	0.10	5.2	100.0	1	3	C	
Precip	-	0.0	34.6	69.3	100.0	87	90		
Na+	1.01	0.81	1.12	70.0	100.0	0	3	B	
SO4-- corr	0.79	0.62	1.02	54.6	100.0	0	3	A	
SO4--	0.87	0.70	1.09	60.4	100.0	0	3	A	

EE0011R VILSANDI ESTONIA

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.51	0.02	2.62	27.2	100.0	0	13	A	
Ca++	1.29	0.50	2.40	68.2	93.9	0	11	D	
Cl-	1.37	0.10	3.50	72.2	97.9	0	12	B	
Mg++	0.237	0.060	0.460	12.5	93.9	0	11	C	
NO3-	0.59	0.21	1.59	31.1	97.9	0	12	A	
pH	5.47	4.80	6.31	179.0	100.0	0	13	A	
K+	0.36	0.05	1.89	18.9	93.9	1	11	C	
Precip	-	0.0	8.1	52.8	100.0	79	92		
Na+	0.67	0.13	1.47	35.2	93.9	0	11	B	
SO4-- corr	1.12	0.51	3.91	59.1	97.9	0	12	A	
SO4--	1.23	0.52	4.02	65.0	97.9	0	12	A	

EE0011R VILSANDI ESTONIA

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.52	0.00	2.25	90.4	100.0	2	20	A	
Ca++	0.44	0.10	2.60	75.3	98.8	0	19	D	
Cl-	1.06	0.40	2.20	181.9	100.0	0	20	B	
Mg++	0.089	0.005	0.290	15.3	98.8	1	19	C	
NO3-	0.16	0.00	0.58	28.2	100.0	7	20	A	
pH	5.32	4.22	6.95	821.7	100.0	0	20	A	
K+	0.50	0.05	1.69	85.7	98.8	4	19	C	
Precip	-	0.0	20.5	172.1	100.0	72	92		
Na+	0.43	0.00	0.95	73.7	98.8	1	19	B	
SO4-- corr	0.38	0.03	1.75	64.8	100.0	0	20	A	
SO4--	0.43	0.08	1.85	73.6	100.0	0	20	A	

EE0011R VILSANDI ESTONIA

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.23	0.02	2.45	38.6	100.0	0	14	A	
Ca++	0.36	0.10	1.10	60.3	100.0	0	14	D	
Cl-	1.60	0.40	3.10	264.9	100.0	0	14	B	
Mg++	0.109	0.020	0.200	18.0	100.0	0	14	C	
NO3-	0.45	0.17	0.86	74.4	100.0	0	14	A	
pH	3.55	2.39	6.60	47269.9	100.0	0	14	A	
K+	0.12	0.05	1.28	20.0	100.0	7	14	C	
Precip	-	0.0	23.7	165.9	100.0	77	91		
Na+	0.72	0.16	1.81	119.8	100.0	0	14	B	
SO4-- corr	1.19	0.38	3.38	197.5	100.0	0	14	A	
SO4--	1.27	0.46	3.51	210.6	100.0	0	14	A	

ES0001R TOLEDO SPAIN

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.21	0.00	1.77	61.4	99.7	8	33	B	
Ca++	0.24	0.04	0.94	71.5	90.6	0	27	A	
Cl-	1.03	0.52	3.45	302.5	99.9	0	34	A	
Mg++	0.064	0.010	0.220	18.9	90.6	0	27	A	
NO3-	0.22	0.00	1.23	64.4	99.9	1	34	A	
pH	5.31	4.65	6.52	1441.5	100.0	0	35	A	
K+	0.05	0.03	0.49	15.9	90.6	10	27	A	
Precip	-	0.0	48.0	292.8	100.0	55	90		
Na+	0.36	0.03	0.86	106.1	90.6	0	27	A	
SO4-- corr	0.50	0.23	1.63	146.1	99.9	0	34	A	
SO4--	0.53	0.24	1.70	156.0	99.9	0	34	A	

ES0001R TOLEDO SPAIN

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.35	0.01	1.31	88.2	97.2	2	34	B	
Ca++	0.42	0.07	4.78	108.0	97.2	0	34	A	
Cl-	0.86	0.45	6.81	218.4	97.4	0	35	A	
Mg++	0.055	0.010	0.230	14.0	97.2	0	34	A	
NO3-	0.34	0.14	2.22	85.7	97.4	0	35	A	
pH	5.57	4.79	7.20	690.4	100.0	0	37	A	
K+	0.09	0.03	0.60	22.3	97.2	15	34	A	
Precip	-	0.0	31.1	254.5	100.0	55	92		
Na+	0.35	0.03	3.71	90.4	97.2	0	34	A	
SO4-- corr	0.62	0.28	3.37	157.1	97.4	0	35	A	
SO4--	0.65	0.30	3.45	164.7	97.4	0	35	A	

ES0001R TOLEDO SPAIN

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.58	0.09	4.65	25.7	100.0	0	5	B	
Ca++	1.11	0.28	8.50	48.8	97.7	0	4	A	
Cl-	0.73	0.48	2.73	32.1	100.0	0	5	A	
Mg++	0.119	0.060	0.760	5.2	97.7	0	4	A	
NO3-	0.52	0.22	2.88	22.8	100.0	0	5	A	
pH	6.12	6.02	6.72	33.5	100.0	0	5	A	
K+	0.12	0.03	1.00	5.1	97.7	1	4	A	
Precip	-	0.0	28.2	43.9	100.0	87	92		
Na+	0.31	0.18	1.48	13.6	97.7	0	4	A	
SO4-- corr	0.94	0.31	6.47	41.1	100.0	0	5	A	
SO4--	0.99	0.35	6.59	43.6	100.0	0	5	A	

ES0001R TOLEDO SPAIN

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.16	0.06	0.56	20.5	99.6	0	13	B	
Ca++	0.45	0.19	2.16	58.4	95.6	0	12	A	
Cl-	0.72	0.54	1.15	92.4	99.6	0	13	A	
Mg++	0.059	0.020	0.200	7.6	95.6	0	12	A	
NO3-	0.20	0.00	0.66	25.4	99.6	1	13	A	
pH	5.77	5.34	6.76	217.3	100.0	0	14	A	
K+	0.06	0.03	0.32	7.7	95.6	9	12	A	
Precip	-	0.0	21.4	128.6	100.0	77	91		
Na+	0.18	0.08	0.46	23.6	95.6	0	12	A	
SO4-- corr	0.47	0.23	1.13	60.9	99.6	0	13	A	
SO4--	0.51	0.24	1.18	65.9	99.6	0	13	A	

ES0003R ROQUETAS SPAIN

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.23	0.01	1.56	42.4	98.8	2	17	B	
Ca++	1.68	1.06	8.30	307.7	97.5	0	15	A	
Cl-	1.69	0.62	11.75	309.1	99.6	0	19	A	
Mg++	0.245	0.140	1.200	44.8	97.5	0	15	A	
NO3-	0.48	0.00	3.68	86.9	99.6	1	19	A	
pH	5.57	5.15	7.43	486.9	100.0	0	21	A	
K+	0.12	0.03	1.08	22.0	97.5	2	15	A	
Precip	-	0.0	41.1	182.6	100.0	69	90		
Na+	0.81	0.06	6.00	147.5	97.5	0	15	A	
SO4-- corr	0.64	0.28	3.00	116.7	99.6	0	19	A	
SO4--	0.72	0.29	3.45	131.1	99.6	0	19	A	

ES0003R ROQUETAS SPAIN

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.73	0.01	3.15	69.0	97.7	1	13	B	
Ca++	2.76	1.00	23.20	261.2	96.4	0	12	A	
Cl-	1.52	0.49	21.30	143.8	98.9	0	16	A	
Mg++	0.424	0.160	4.900	40.1	96.4	0	12	A	
NO3-	0.92	0.25	8.96	87.0	99.6	0	17	A	
pH	6.54	6.41	7.67	27.5	100.0	0	18	A	
K+	0.29	0.03	4.80	27.5	96.4	2	12	A	
Precip	-	0.0	30.8	94.7	100.0	74	92		
Na+	0.85	0.19	12.80	80.0	96.4	0	12	A	
SO4-- corr	1.16	0.45	8.31	109.9	98.9	0	16	A	
SO4--	1.26	0.49	9.38	119.0	99.6	0	17	A	

ES0003R ROQUETAS SPAIN

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.76	0.01	2.91	26.8	100.0	1	7	B	
Ca++	3.67	2.33	9.10	130.1	89.3	0	4	A	
Cl-	1.58	0.93	8.54	56.0	100.0	0	7	A	
Mg++	0.420	0.280	0.980	14.9	89.3	0	4	A	
NO3-	1.12	0.48	3.31	39.7	100.0	0	7	A	
pH	5.60	4.28	7.45	88.3	100.0	0	7	A	
K+	0.21	0.13	0.60	7.5	89.3	0	4	A	
Precip	-	0.0	17.1	35.4	100.0	85	92		
Na+	0.65	0.42	1.35	23.0	89.3	0	4	A	
SO4-- corr	1.80	1.12	4.32	63.7	100.0	0	7	A	
SO4--	1.87	1.18	4.43	66.1	100.0	0	7	A	

ES0003R ROQUETAS SPAIN

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.63	0.32	2.03	34.9	99.1	0	8	B	
Ca++	1.86	1.23	7.00	103.2	95.0	0	6	A	
Cl-	1.05	0.89	2.41	58.3	99.1	0	8	A	
Mg++	0.276	0.180	0.930	15.3	95.0	0	6	A	
NO3-	0.61	0.45	1.54	34.0	99.1	0	8	A	
pH	6.36	6.27	7.03	24.5	100.0	0	9	A	
K+	0.09	0.03	0.54	4.9	95.0	1	6	A	
Precip	-	0.0	39.0	55.5	100.0	82	91		
Na+	0.59	0.41	2.84	33.0	95.0	0	6	A	
SO4-- corr	0.87	0.60	2.55	48.3	99.1	0	8	A	
SO4--	0.92	0.63	2.64	51.0	99.1	0	8	A	

ES0004R LOGRONO SPAIN

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.59	0.23	1.61	62.4	100.0	0	15	B	
Ca++	0.56	0.21	2.32	58.7	99.3	0	14	A	
Cl-	1.26	0.70	3.39	133.1	100.0	0	15	A	
Mg++	0.071	0.030	0.240	7.5	99.3	0	14	A	
NO3-	0.35	0.17	1.18	36.7	100.0	0	15	A	
pH	5.36	5.18	6.86	461.4	100.0	0	15	A	
K+	0.09	0.03	0.33	9.6	99.3	1	14	A	
Precip	-	0.0	22.1	105.5	100.0	75	90		
Na+	0.37	0.07	2.10	39.0	99.3	0	14	A	
SO4-- corr	0.68	0.32	3.11	71.7	100.0	0	15	A	
SO4--	0.72	0.34	3.23	75.6	100.0	0	15	A	

ES0004R LOGRONO SPAIN

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.73	0.06	2.91	66.1	100.0	0	22	B	
Ca++	1.33	0.32	4.04	120.4	96.1	0	18	A	
Cl-	1.51	0.10	9.51	137.7	98.5	0	20	A	
Mg++	0.142	0.040	0.620	12.9	96.1	0	18	A	
NO3-	0.54	0.20	2.82	49.1	100.0	0	22	A	
pH	6.41	6.19	7.09	35.0	100.0	0	22	A	
K+	0.19	0.10	0.56	16.9	96.1	0	18	A	
Precip	-	0.0	16.6	90.9	100.0	70	92		
Na+	0.88	0.12	6.00	80.3	96.1	0	18	A	
SO4-- corr	0.99	0.31	3.88	89.7	98.5	0	20	A	
SO4--	1.11	0.34	3.96	101.2	100.0	0	22	A	

ES0004R LOGRONO SPAIN

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.05	0.53	1.90	128.2	98.4	0	9	B	
Ca++	1.81	0.65	2.96	221.6	98.4	0	9	A	
Cl-	0.81	0.57	3.82	99.3	99.2	0	10	A	
Mg++	0.117	0.060	0.210	14.4	98.4	0	9	A	
NO3-	0.66	0.44	2.38	80.4	99.2	0	10	A	
pH	6.39	6.20	7.02	49.5	100.0	0	11	A	
K+	0.22	0.14	0.58	26.9	98.4	0	9	A	
Precip	-	0.0	28.6	122.3	100.0	81	92		
Na+	0.34	0.20	0.73	41.9	98.4	0	9	A	
SO4-- corr	1.54	0.86	9.92	188.7	53.7	0	6	A	
SO4--	1.62	0.90	10.10	197.9	53.7	0	6	A	

ES0004R LOGRONO SPAIN

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.04	0.09	6.79	110.8	100.0	0	21	B	
Ca++	1.76	0.79	5.20	186.8	100.0	0	21	A	
Cl-	1.11	0.58	4.15	118.4	100.0	0	21	A	
Mg++	0.138	0.060	0.460	14.6	100.0	0	21	A	
NO3-	0.42	0.10	1.54	44.7	100.0	0	21	A	
pH	6.53	6.27	7.33	31.8	100.0	0	21	A	
K+	0.30	0.03	1.30	31.8	100.0	1	21	A	
Precip	-	0.0	22.3	106.4	100.0	70	91		
Na+	0.61	0.12	3.20	65.2	100.0	0	21	A	

ES0005R NOIA SPAIN

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.07	0.00	0.37	52.5	99.1	9	32	B	
Ca++	0.37	0.15	0.92	272.5	99.1	0	32	A	
Cl-	4.41	0.46	24.11	3290.9	100.0	0	33	A	
Mg++	0.302	0.110	1.900	224.9	99.1	0	32	A	
NO3-	0.16	0.00	0.57	119.2	100.0	2	33	A	
pH	5.25	4.47	5.95	4210.9	100.0	0	33	A	
K+	0.17	0.03	0.50	123.3	99.1	2	32	A	
Precip	-	0.0	86.7	745.7	100.0	60	90		
Na+	3.02	0.84	16.10	2251.4	99.1	0	32	A	
SO4-- corr	0.36	-0.30	0.85	270.4	100.0	2	33	A	
SO4--	0.56	0.03	1.22	420.8	100.0	1	33	A	

ES0005R NOIA SPAIN

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.08	0.01	0.43	18.0	99.8	12	41	B	
Ca++	0.34	0.11	1.55	74.8	96.2	0	40	A	
Cl-	6.11	0.71	29.04	1365.1	96.2	0	40	A	
Mg++	0.426	0.080	1.700	95.3	96.2	0	40	A	
NO3-	0.18	0.00	0.81	40.7	100.0	7	42	A	
pH	5.61	4.54	6.41	549.7	100.0	0	42	A	
K+	0.21	0.03	0.73	47.7	96.2	4	40	A	
Precip	-	0.0	34.7	223.4	100.0	73	92		
Na+	4.08	0.40	14.90	912.1	96.2	0	40	A	
SO4-- corr	0.37	0.23	1.47	82.1	96.2	0	40	A	
SO4--	0.67	0.33	1.90	149.1	100.0	0	42	A	

ES0005R NOIA SPAIN

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.19	0.01	0.68	17.3	100.0	1	11	B	
Ca++	0.41	0.05	1.45	37.7	92.6	0	10	A	
Cl-	5.28	0.82	10.25	489.1	100.0	0	12	A	
Mg++	0.289	0.050	0.480	26.8	92.6	0	10	A	
NO3-	0.55	0.00	1.86	51.0	100.0	1	12	A	
pH	4.88	4.72	6.79	1214.8	100.0	0	12	A	
K+	0.21	0.03	1.00	19.8	92.6	2	10	A	
Precip	-	0.0	30.9	92.7	100.0	83	92		
Na+	3.38	0.48	4.40	313.6	92.6	0	10	A	
SO4-- corr	1.59	0.38	3.88	147.7	100.0	0	12	A	
SO4--	1.83	0.42	4.23	170.0	100.0	0	12	A	

ES0005R NOIA SPAIN

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.17	0.01	4.34	108.0	96.3	9	39	B	
Ca++	0.40	0.16	5.19	263.7	95.6	0	36	A	
Cl-	3.05	0.91	24.50	1991.3	97.4	0	41	A	
Mg++	0.220	0.040	1.500	143.5	95.6	0	36	A	
NO3-	0.31	0.11	3.99	199.5	97.4	0	42	A	
pH	5.05	4.42	7.20	5751.1	97.5	0	43	A	
K+	0.14	0.03	2.90	92.7	95.6	8	36	A	
Precip	-	0.0	77.3	653.3	100.0	45	91		
Na+	1.79	0.41	9.60	1170.4	95.6	0	36	A	
SO4-- corr	0.66	-0.20	9.84	431.2	97.4	1	41	A	
SO4--	0.81	0.41	10.64	530.6	97.4	0	42	A	

ES0006R MAHON SPAIN

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.51	0.07	1.25	13.0	100.0	0	4	B	
Ca++	28.93	4.60	61.50	740.7	100.0	0	4	A	
Cl-	226.62	79.61	740.74	5801.3	100.0	0	5	A	
Mg++	25.427	5.500	43.000	650.9	100.0	0	4	A	
NO3-	2.81	0.93	8.25	72.0	100.0	0	5	A	
pH	7.27	5.12	7.78	1.4	100.0	0	6	A	
K+	7.41	2.10	12.00	189.6	100.0	0	4	A	
Precip	-	0.0	17.6	25.6	100.0	86	90		
Na+	212.52	38.25	395.00	5440.5	100.0	0	4	A	
SO4-- corr	-3.57	-10.95	16.73	-91.5	100.0	1	5	A	
SO4--	13.53	4.12	46.61	346.4	100.0	0	5	A	

ES0006R MAHON SPAIN

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.82	0.82	0.82	3.7	100.0	0	1	B	
Ca++	17.40	17.40	17.40	78.3	100.0	0	1	A	
Cl-	316.88	316.88	316.88	1426.0	100.0	0	1	A	
Mg++	22.000	22.000	22.000	99.0	100.0	0	1	A	
NO3-	5.08	5.08	5.08	22.9	100.0	0	1	A	
pH	6.84	6.84	6.84	0.7	100.0	0	1	A	
K+	6.40	6.40	6.40	28.8	100.0	0	1	A	
Precip	-	0.0	4.5	4.5	100.0	91	92		
Na+	157.00	157.00	157.00	706.5	100.0	0	1	A	
SO4-- corr	4.53	4.53	4.53	20.4	100.0	0	1	A	
SO4--	17.67	17.67	17.67	79.5	100.0	0	1	A	

ES0006R MAHON SPAIN

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
Precip	-	0.0	0.0	0.0	100.0	92	92		

ES0006R MAHON SPAIN

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
Precip	-	0.0	0.0	0.0	100.0	91	91		

ES0007R VIZNAR SPAIN

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.04	0.00	2.05	9.9	99.7	9	26	B	
Ca++	0.52	0.27	1.72	135.5	99.1	0	25	A	
Cl-	1.15	0.45	15.97	300.1	100.0	0	27	A	
Mg++	0.174	0.090	0.690	45.6	99.1	0	25	A	
NO3-	0.25	0.14	1.20	64.3	100.0	0	27	A	
pH	5.34	5.14	7.12	1186.0	100.0	0	27	A	
K+	0.06	0.03	0.71	15.5	99.1	4	25	A	
Precip	-	0.0	33.5	261.8	100.0	63	90		
Na+	0.44	0.04	2.88	115.7	99.1	0	25	A	
SO4-- corr	0.35	0.21	1.56	90.7	100.0	0	27	A	
SO4--	0.40	0.24	1.95	104.9	100.0	0	27	A	

ES0007R VIZNAR SPAIN

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.33	0.01	0.68	55.2	97.5	3	22	B	
Ca++	0.92	0.28	2.64	152.6	97.2	0	21	A	
Cl-	0.91	0.50	2.18	152.0	99.3	0	24	A	
Mg++	0.264	0.130	0.640	44.0	97.2	0	21	A	
NO3-	0.46	0.23	1.69	76.2	99.3	0	24	A	
pH	6.30	5.93	7.40	84.0	99.6	0	25	A	
K+	0.15	0.03	0.32	24.6	97.2	1	21	A	
Precip	-	0.0	20.5	166.2	100.0	66	92		
Na+	0.44	0.12	2.16	73.7	97.2	0	21	A	
SO4-- corr	0.66	0.45	1.44	110.1	99.3	0	24	A	
SO4--	0.70	0.47	1.58	116.4	99.3	0	24	A	

ES0007R VIZNAR SPAIN

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.40	0.40	0.44	14.6	100.0	0	2	B	
Ca++	1.71	1.40	1.75	61.6	100.0	0	2	A	
Cl-	0.66	0.66	0.66	23.8	100.0	0	2	A	
Mg++	0.336	0.220	0.350	12.1	100.0	0	2	A	
NO3-	0.48	0.45	0.48	17.2	100.0	0	2	A	
pH	6.49	6.33	6.52	11.5	100.0	0	2	A	
K+	0.15	0.15	0.17	5.5	100.0	0	2	A	
Precip	-	0.0	32.0	36.0	100.0	90	92		
Na+	0.32	0.32	0.35	11.6	100.0	0	2	A	
SO4-- corr	0.84	0.80	0.84	30.2	100.0	0	2	A	
SO4--	0.87	0.83	0.87	31.2	100.0	0	2	A	

ES0007R VIZNAR SPAIN

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.07	0.01	0.27	6.6	95.8	5	9	B	
Ca++	1.85	0.76	11.90	175.4	95.3	0	8	A	
Cl-	1.02	0.69	2.83	96.7	95.8	0	10	A	
Mg++	0.264	0.100	1.900	25.0	95.3	0	8	A	
NO3-	0.41	0.13	2.91	39.3	95.8	0	10	A	
pH	6.39	6.16	6.85	39.1	95.8	0	10	A	
K+	0.12	0.03	1.18	11.9	95.3	2	8	A	
Precip	-	0.0	33.9	94.9	100.0	80	91		
Na+	0.49	0.16	1.77	46.1	95.3	0	8	A	
SO4-- corr	0.53	0.20	3.14	50.0	95.8	0	10	A	
SO4--	0.60	0.28	3.27	57.0	95.8	0	10	A	

FI0004R AHTARI FINLAND

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.11	0.00	1.14	16.7	98.2	0	52	A	
Ca++	0.04	0.00	0.84	6.7	98.2	2	52	A	
Cl-	0.23	0.03	2.75	35.8	98.2	0	52	A	
Mg++	0.020	0.002	0.447	3.1	98.2	1	52	A	
NO3-	0.30	0.05	1.34	45.2	98.2	0	52	A	
pH	4.71	3.99	5.78	2995.2	99.2	0	58	A	
K+	0.05	0.01	0.43	6.9	98.2	0	52	A	
Precip	-	0.0	11.3	133.7	100.0	28	90		
Precip off	-	0.0	11.5	153.0	100.0	25	90		
Na+	0.12	0.00	1.65	18.5	98.2	0	52	A	
SO4-- corr	0.20	0.02	1.14	31.2	98.2	0	52	A	
SO4--	0.22	0.03	1.15	32.8	98.2	0	52	A	

FI0004R AHTARI FINLAND

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.16	0.01	1.36	15.9	98.5	0	30	A	
Ca++	0.09	0.01	1.64	9.0	98.5	0	30	A	
Cl-	0.12	0.03	1.46	11.8	98.5	0	30	A	
Mg++	0.016	0.002	0.139	1.5	98.5	1	30	A	
NO3-	0.18	0.04	1.46	17.8	98.5	0	30	A	
pH	4.80	4.04	5.63	1544.6	98.7	0	31	A	
K+	0.08	0.01	0.71	7.5	98.5	0	30	A	
Precip	-	0.0	13.4	83.5	100.0	59	92		
Precip off	-	0.0	14.3	97.0	100.0	53	92		
Na+	0.06	0.01	0.81	6.3	98.5	0	30	A	
SO4-- corr	0.29	0.04	2.05	28.4	98.5	0	30	A	
SO4--	0.30	0.05	2.07	29.0	98.5	0	30	A	

FI0004R AHTARI FINLAND

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.13	0.00	0.97	42.9	98.2	5	53	A	
Ca++	0.06	0.00	0.42	21.6	98.2	1	53	A	
Cl-	0.09	0.00	0.57	29.7	98.2	1	53	A	
Mg++	0.015	0.002	0.097	4.9	98.2	8	53	A	
NO3-	0.14	0.03	0.64	45.2	98.2	0	53	A	
pH	4.87	4.27	5.96	4446.7	99.7	0	62	A	
K+	0.12	0.02	2.37	38.6	98.2	0	53	A	
Precip	-	0.0	32.9	317.0	100.0	29	92		
Precip off	-	0.0	26.9	331.0	100.0	23	92		
Na+	0.05	0.00	0.48	18.2	98.2	0	53	A	
SO4-- corr	0.22	0.05	1.18	72.8	98.2	0	53	A	
SO4--	0.23	0.05	1.20	74.7	98.2	0	53	A	

FI0004R AHTARI FINLAND

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.15	0.01	1.07	21.1	97.7	0	32	A	
Ca++	0.09	0.01	0.75	12.2	97.7	0	32	A	
Cl-	0.23	0.05	2.11	31.4	97.7	0	32	A	
Mg++	0.023	0.002	0.160	3.1	97.7	1	32	A	
NO3-	0.26	0.03	0.88	35.5	97.7	0	32	A	
pH	4.71	3.96	6.03	2707.8	98.8	0	38	A	
K+	0.09	0.03	1.20	13.2	97.7	0	32	A	
Precip	-	0.0	19.9	136.5	100.0	44	91		
Precip off	-	0.0	17.5	137.8	100.0	40	91		
Na+	0.13	0.03	1.22	17.7	97.7	0	32	A	
SO4-- corr	0.28	0.03	1.48	38.3	97.7	0	32	A	
SO4--	0.29	0.03	1.57	39.8	97.7	0	32	A	

FI0009R UTO FINLAND

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.41	0.00	3.29	60.3	75.9	0	29	A	
Ca++	0.34	0.04	9.03	50.5	75.9	0	29	A	
Cl-	4.26	0.80	23.82	633.0	75.9	0	29	A	
Mg++	0.301	0.045	2.208	44.8	75.9	0	29	A	
NO3-	0.99	0.32	7.04	146.8	75.9	0	29	A	
pH	4.34	3.74	5.48	6736.6	77.6	0	31	A	
K+	0.28	0.06	2.02	41.1	75.9	0	29	A	
Precip	-	0.0	7.3	44.8	100.0	55	90		
Precip off	-	0.0	12.0	148.7	100.0	29	90		
Na+	2.56	0.40	17.82	381.3	75.9	0	29	A	
SO4-- corr	0.83	0.22	9.82	123.9	75.9	0	29	A	
SO4--	1.04	0.31	9.90	154.9	75.9	0	29	A	

FI0009R UTO FINLAND

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.42	0.06	1.05	41.3	61.2	0	16	A	
Ca++	0.29	0.06	0.88	28.3	61.2	0	16	A	
Cl-	1.04	0.34	13.48	101.7	61.2	0	16	A	
Mg++	0.103	0.017	1.106	10.1	61.2	0	16	A	
NO3-	0.45	0.20	2.03	44.0	61.2	0	16	A	
pH	4.59	3.91	5.18	2496.5	71.5	0	19	A	
K+	0.17	0.05	1.28	16.8	61.2	0	16	A	
Precip	-	0.0	17.7	40.1	100.0	71	92		
Precip off	-	0.0	19.9	97.8	100.0	52	92		
Na+	0.65	0.16	9.32	63.7	61.2	0	16	A	
SO4-- corr	0.67	0.11	1.92	65.5	61.2	0	16	A	
SO4--	0.73	0.19	2.03	71.2	61.2	0	16	A	

FI0009R UTO FINLAND

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.24	0.01	1.43	40.8	97.5	0	43	A	
Ca++	0.25	0.01	4.09	42.2	97.5	0	43	A	
Cl-	1.32	0.16	8.41	225.9	97.5	0	43	A	
Mg++	0.101	0.007	0.567	17.3	97.5	0	43	A	
NO3-	0.28	0.05	1.63	48.8	97.5	0	43	A	
pH	4.64	3.88	6.02	3886.9	99.0	0	47	A	
K+	0.12	0.03	0.63	20.1	97.5	0	43	A	
Precip	-	0.0	15.1	119.1	100.0	43	92		
Precip off	-	0.0	11.9	171.8	100.0	38	92		
Na+	0.73	0.08	4.54	125.9	97.5	0	43	A	
SO4-- corr	0.45	-0.04	3.58	77.2	97.5	1	43	A	
SO4--	0.51	0.05	3.65	88.5	97.5	0	43	A	

FI0009R UTO FINLAND

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.35	0.00	2.35	70.0	65.3	1	24	A	
Ca++	0.37	0.05	3.68	75.6	65.3	0	24	A	
Cl-	6.88	0.18	61.57	1391.3	65.3	0	24	A	
Mg++	0.489	0.020	4.759	99.0	65.3	0	24	A	
NO3-	0.58	0.16	5.04	117.6	65.3	0	24	A	
pH	4.40	3.75	5.85	8113.0	66.2	0	26	A	
K+	0.21	0.04	2.21	42.8	65.3	0	24	A	
Precip	-	0.0	18.3	75.4	100.0	58	91		
Precip off	-	0.0	32.9	202.3	100.0	47	91		
Na+	3.88	0.13	28.64	785.8	65.3	0	24	A	
SO4-- corr	0.55	0.10	4.48	110.8	65.3	0	24	A	
SO4--	0.87	0.17	5.22	176.0	65.3	0	24	A	

FI0017R VIROLAHTI II FINLAND

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.47	0.07	1.97	52.0	96.2	0	41	A	
Ca++	0.45	0.02	8.40	50.4	96.2	0	41	A	
Cl-	0.74	0.05	6.09	82.6	96.2	0	41	A	
Mg++	0.078	0.002	0.550	8.7	96.2	0	41	A	
NO3-	0.61	0.12	1.93	67.7	96.2	0	41	A	
pH	4.51	3.94	6.51	3441.0	97.9	0	45	A	
K+	0.19	0.03	1.44	21.2	96.2	0	41	A	
Precip	-	0.0	7.3	77.6	100.0	38	90		
Precip off	-	0.0	8.6	111.8	100.0	33	90		
Na+	0.36	0.02	3.24	40.4	96.2	0	41	A	
SO4-- corr	0.80	0.20	6.82	88.9	96.2	0	41	A	
SO4--	0.83	0.20	6.84	93.2	96.2	0	41	A	

FI0017R VIROLAHTI II FINLAND

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.49	0.02	1.21	52.5	99.3	0	22	A	
Ca++	0.21	0.04	0.61	22.2	99.3	0	22	A	
Cl-	0.16	0.05	0.70	17.7	99.3	0	22	A	
Mg++	0.039	0.004	0.103	4.2	99.3	0	22	A	
NO3-	0.31	0.05	0.76	33.3	99.3	0	22	A	
pH	4.76	4.12	5.88	1863.3	99.3	0	22	A	
K+	0.15	0.02	0.47	16.0	99.3	0	22	A	
Precip	-	0.0	12.7	90.0	100.0	69	92		
Precip off	-	0.0	13.4	107.7	100.0	64	92		
Na+	0.09	0.02	0.39	9.3	99.3	0	22	A	
SO4-- corr	0.55	0.06	1.97	58.8	99.3	0	22	A	
SO4--	0.56	0.06	1.97	59.9	99.3	0	22	A	

FI0017R VIROLAHTI II FINLAND

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.35	0.02	2.08	120.1	98.9	0	45	A	
Ca++	0.24	0.01	1.68	82.9	98.9	0	45	A	
Cl-	0.18	0.04	1.07	63.2	98.9	0	45	A	
Mg++	0.035	0.002	0.169	12.0	98.9	2	45	A	
NO3-	0.23	0.04	1.01	78.6	98.9	0	45	A	
pH	5.02	4.08	6.94	3267.4	99.0	0	46	A	
K+	0.14	0.02	2.71	50.2	98.9	0	45	A	
Precip	-	0.0	33.8	304.5	100.0	44	92		
Precip off	-	0.0	36.2	345.2	100.0	40	92		
Na+	0.12	0.01	0.64	41.6	98.9	0	45	A	
SO4-- corr	0.41	0.08	2.64	143.1	98.9	0	45	A	
SO4--	0.42	0.09	2.67	146.5	98.9	0	45	A	

FI0017R VIROLAHTI II FINLAND

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.23	0.01	1.49	40.9	98.4	0	35	A	
Ca++	0.26	0.02	6.70	44.9	98.4	0	35	A	
Cl-	0.86	0.06	10.79	149.7	98.4	0	35	A	
Mg++	0.079	0.004	0.794	13.7	98.4	0	35	A	
NO3-	0.29	0.08	1.45	50.9	98.4	0	35	A	
pH	4.83	3.86	6.43	2565.5	99.0	0	38	A	
K+	0.36	0.03	2.19	62.5	98.4	0	35	A	
Precip	-	0.0	19.3	149.4	100.0	47	91		
Precip off	-	0.0	20.7	174.1	100.0	44	91		
Na+	0.47	0.03	5.84	81.1	98.4	0	35	A	
SO4-- corr	0.40	0.08	5.88	68.7	98.4	0	35	A	
SO4--	0.43	0.08	5.94	75.6	98.4	0	35	A	

FI0022R OULANKA FINLAND

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.03	0.00	0.42	5.2	98.7	3	54	A	
Ca++	0.01	0.00	0.10	2.0	98.7	11	54	A	
Cl-	0.11	0.01	1.01	21.4	98.9	0	56	A	
Mg++	0.007	0.002	0.080	1.5	98.7	10	54	A	
NO3-	0.15	0.02	0.79	29.7	98.9	0	56	A	
pH	4.84	4.39	5.40	2870.6	99.1	0	58	A	
K+	0.02	0.00	0.08	3.5	98.7	5	54	A	
Precip	-	0.0	17.4	158.6	100.0	32	90		
Precip off	-	0.0	22.1	199.5	100.0	19	90		
Na+	0.05	0.00	0.62	10.2	98.7	2	54	A	
SO4-- corr	0.11	0.03	1.22	21.7	98.9	0	56	A	
SO4--	0.11	0.03	1.24	22.6	98.9	0	56	A	

FI0022R OULANKA FINLAND

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.16	0.00	5.52	20.7	98.7	1	32	A	
Ca++	0.07	0.00	2.81	9.5	98.7	1	32	A	
Cl-	0.09	0.01	0.97	11.0	98.7	0	32	A	
Mg++	0.012	0.002	0.320	1.6	98.7	4	32	A	
NO3-	0.16	0.02	3.49	20.7	98.7	0	32	A	
pH	4.64	3.59	5.56	2924.1	98.7	0	32	A	
K+	0.03	0.00	0.64	4.1	98.7	4	32	A	
Precip	-	0.0	11.1	106.5	100.0	57	92		
Precip off	-	0.0	11.8	127.5	100.0	49	92		
Na+	0.04	0.01	0.54	5.6	98.7	0	32	A	
SO4-- corr	0.36	0.03	9.70	45.5	98.7	0	32	A	
SO4--	0.36	0.03	9.74	46.0	98.7	0	32	A	

FI0022R OULANKA FINLAND

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.10	0.00	0.66	25.0	99.0	8	48	A	
Ca++	0.04	0.00	0.42	10.9	99.0	3	48	A	
Cl-	0.05	0.02	0.79	13.8	99.0	0	48	A	
Mg++	0.008	0.002	0.055	2.1	99.0	10	48	A	
NO3-	0.10	0.02	0.56	25.7	99.0	0	48	A	
pH	4.76	4.22	5.19	4402.5	99.0	0	48	A	
K+	0.04	0.00	0.60	10.4	99.0	2	48	A	
Precip	-	0.0	29.0	224.9	100.0	42	92		
Precip off	-	0.0	31.6	253.0	100.0	33	92		
Na+	0.03	0.00	0.68	7.5	99.0	1	48	A	
SO4-- corr	0.24	0.04	0.98	60.7	99.0	0	48	A	
SO4--	0.24	0.04	0.98	61.4	99.0	0	48	A	

FI0022R OULANKA FINLAND

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.05	0.00	0.49	11.1	99.2	1	49	A	
Ca++	0.03	0.00	0.34	5.8	99.2	2	49	A	
Cl-	0.10	0.01	2.78	19.6	99.2	0	49	A	
Mg++	0.008	0.002	0.187	1.6	99.2	9	49	A	
NO3-	0.11	0.00	0.62	22.6	99.2	1	49	A	
pH	4.86	3.53	5.37	2780.6	99.4	0	50	A	
K+	0.03	0.00	0.30	6.9	99.2	2	49	A	
Precip	-	0.0	15.5	176.5	100.0	40	91		
Precip off	-	0.0	17.2	202.0	100.0	30	91		
Na+	0.05	0.00	1.64	10.1	99.2	1	49	A	
SO4-- corr	0.14	0.02	0.99	29.4	99.2	0	49	A	
SO4--	0.15	0.02	1.01	30.3	99.2	0	49	A	

FR0003R LA CROUZILLE FRANCE

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.22	0.03	1.87	44.7	87.9	0	29	A	
Ca++	0.11	0.01	0.49	22.1	87.9	0	29	A	
Cl-	2.01	0.06	12.42	404.5	87.9	0	29	A	
Mg++	0.172	0.010	0.830	34.6	87.9	0	29	A	
NO3-	0.16	0.05	0.82	32.8	87.9	0	29	A	
pH	5.17	4.48	6.19	1368.2	99.0	0	33	A	
K+	0.05	0.00	0.25	10.4	87.9	0	29	A	
Precip	-	0.0	30.6	201.5	100.0	56	90		
Na+	1.17	0.02	6.88	235.3	87.9	0	29	A	
SO4-- corr	0.24	0.05	1.08	48.2	87.9	0	29	A	
SO4--	0.34	0.05	1.18	67.5	87.9	0	29	A	

FR0003R LA CROUZILLE FRANCE

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.37	0.06	0.87	95.4	97.1	0	32	A	
Ca++	0.24	0.03	0.88	61.8	97.1	0	32	A	
Cl-	1.05	0.13	3.56	272.8	97.1	0	32	A	
Mg++	0.115	0.020	0.310	30.0	97.1	0	32	A	
NO3-	0.29	0.10	0.58	76.2	97.1	0	32	A	
pH	5.03	4.39	5.98	2420.1	98.8	0	34	A	
K+	0.16	0.02	1.32	40.5	97.1	0	32	A	
Precip	-	0.0	21.2	260.9	100.0	53	92		
Na+	0.68	0.03	1.98	176.3	97.1	0	32	A	
SO4-- corr	0.44	0.12	1.23	113.9	97.1	0	32	A	
SO4--	0.49	0.15	1.32	128.9	97.1	0	32	A	

FR0003R LA CROUZILLE FRANCE

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.45	0.05	1.31	42.5	95.9	0	24	A	
Ca++	0.46	0.06	5.69	43.4	94.3	0	22	A	
Cl-	0.75	0.05	5.14	71.1	94.3	0	22	A	
Mg++	0.129	0.020	0.530	12.3	94.3	0	22	A	
NO3-	0.29	0.09	1.42	27.7	94.3	0	22	A	
pH	5.25	4.46	7.15	534.4	98.9	0	27	A	
K+	0.08	0.02	0.57	8.0	94.3	0	22	A	
Precip	-	0.4	15.0	95.2	100.0	63	92		
Na+	0.42	0.02	2.88	40.1	94.3	0	22	A	
SO4-- corr	0.47	0.05	1.77	45.0	94.3	0	22	A	
SO4--	0.51	0.05	1.86	48.4	94.3	0	22	A	

FR0003R LA CROUZILLE FRANCE

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.21	0.03	1.56	53.6	96.2	0	40	A	
Ca++	0.13	0.02	7.77	33.6	96.2	0	40	A	
Cl-	0.92	0.05	7.49	238.4	96.2	0	40	A	
Mg++	0.080	0.020	0.530	20.8	96.2	0	40	A	
NO3-	0.18	0.05	1.89	46.8	96.2	0	40	A	
pH	4.96	4.07	7.18	2836.6	96.2	0	40	A	
K+	0.04	0.02	0.24	10.6	96.2	0	40	A	
Precip	-	0.2	19.0	259.9	100.0	43	91		
Na+	0.52	0.02	4.14	134.2	96.2	0	40	A	
SO4-- corr	0.25	0.05	1.41	64.9	96.2	0	40	A	
SO4--	0.29	0.08	1.47	76.3	96.2	0	40	A	

FR0005R LA HAGUE FRANCE

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.28	0.06	1.50	70.9	83.5	0	30	A	
Ca++	0.71	0.03	3.29	182.3	83.5	0	30	A	
Cl-	18.60	1.85	79.35	4761.7	83.5	0	30	A	
Mg++	1.433	0.120	6.380	367.0	83.5	0	30	A	
NO3-	0.23	0.03	1.54	60.1	83.5	0	30	A	
pH	5.26	4.38	6.65	1395.5	85.7	0	35	A	
K+	0.43	0.03	1.88	109.5	83.5	0	30	A	
Precip	-	0.0	20.0	256.0	100.0	48	90		
Na+	10.79	1.06	46.09	2762.4	83.5	0	30	A	
SO4-- corr	0.25	0.04	1.35	65.1	83.5	0	30	A	
SO4--	1.15	0.18	3.90	294.7	83.5	0	30	A	

FR0005R LA HAGUE FRANCE

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.58	0.09	3.03	125.2	89.8	0	25	A	
Ca++	0.43	0.05	12.76	92.1	89.8	0	25	A	
Cl-	7.88	0.51	45.09	1705.6	89.8	0	25	A	
Mg++	0.594	0.060	3.990	128.6	89.8	0	25	A	
NO3-	0.47	0.08	10.20	102.2	89.8	0	25	A	
pH	4.94	4.48	6.56	2507.8	93.4	0	27	A	
K+	0.22	0.02	3.03	48.1	89.8	0	25	A	
Precip	-	0.0	33.0	216.4	100.0	59	92		
Na+	4.69	0.19	28.44	1013.8	89.8	0	25	A	
SO4-- corr	0.45	0.00	7.83	97.0	89.8	0	25	A	
SO4--	0.84	0.14	10.21	182.0	89.8	0	25	A	

FR0005R LA HAGUE FRANCE

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.32	0.07	2.27	51.1	97.5	0	25	A	
Ca++	0.29	0.08	2.53	46.6	96.8	0	24	A	
Cl-	5.41	0.91	21.42	857.6	96.8	0	24	A	
Mg++	0.423	0.080	1.370	67.1	96.8	0	24	A	
NO3-	0.28	0.08	2.02	43.9	96.8	0	24	A	
pH	5.00	4.01	5.96	1578.1	98.1	0	27	A	
K+	0.16	0.03	0.61	24.7	96.8	0	24	A	
Precip	-	0.5	26.0	158.6	100.0	59	92		
Na+	3.13	0.50	12.46	496.4	96.8	0	24	A	
SO4-- corr	0.40	-0.04	3.38	63.0	96.8	1	24	A	
SO4--	0.66	0.13	3.67	104.5	96.8	0	24	A	

FR0005R LA HAGUE FRANCE

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.26	0.03	1.33	106.7	97.2	0	46	A	
Ca++	0.33	0.05	1.34	132.2	96.8	0	44	A	
Cl-	9.67	0.70	50.45	3918.9	96.8	0	44	A	
Mg++	0.685	0.070	3.320	277.5	96.8	0	44	A	
NO3-	0.25	0.05	2.25	102.0	96.8	0	44	A	
pH	4.93	3.88	6.20	4712.2	97.5	0	48	A	
K+	0.22	0.02	1.14	88.8	96.8	0	44	A	
Precip	-	0.2	42.1	405.1	100.0	32	91		
Na+	5.48	0.47	29.08	2218.5	96.8	0	44	A	
SO4-- corr	0.26	-0.01	1.88	105.7	96.8	1	44	A	
SO4--	0.72	0.25	2.53	290.9	96.8	0	44	A	

FR0008R DONON FRANCE

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.23	0.01	2.38	100.0	99.0	0	37	A	
Ca++	0.04	0.01	0.54	17.6	99.0	0	37	A	
Cl-	0.52	0.03	3.17	229.7	99.0	0	37	A	
Mg++	0.031	0.010	0.220	13.8	99.0	0	37	A	
NO3-	0.22	0.06	1.46	95.1	99.0	0	37	A	
pH	5.09	4.25	6.37	3562.4	99.5	0	40	A	
K+	0.02	0.00	0.33	10.7	99.0	1	37	A	
Precip	-	0.0	41.0	415.7	98.9	47	89		
Na+	0.29	0.02	1.74	129.7	99.0	0	37	A	
SO4-- corr	0.24	0.07	1.84	106.5	99.0	0	37	A	
SO4--	0.26	0.08	1.94	115.7	99.0	0	37	A	

FR0008R DONON FRANCE

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.44	0.12	4.66	129.4	75.9	0	23	A	
Ca++	0.14	0.02	0.52	42.8	75.9	0	23	A	
Cl-	0.36	0.05	10.15	106.2	75.9	0	23	A	
Mg++	0.035	0.020	0.570	10.2	75.9	0	23	A	
NO3-	0.31	0.11	3.25	91.1	75.9	0	23	A	
pH	4.89	4.06	6.57	3806.5	81.6	0	28	A	
K+	0.06	0.02	1.25	17.1	75.9	0	23	A	
Precip	-	0.0	34.0	294.5	100.0	47	92		
Na+	0.20	0.02	5.92	58.2	75.9	0	23	A	
SO4-- corr	0.37	0.10	2.86	109.1	75.9	0	23	A	
SO4--	0.39	0.11	2.92	114.6	75.9	0	23	A	

FR0008R DONON FRANCE

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.37	0.07	1.59	125.2	80.4	0	28	A	
Ca++	0.33	0.02	2.67	111.8	80.4	0	28	A	
Cl-	0.23	0.06	1.07	79.1	80.4	0	28	A	
Mg++	0.040	0.020	0.220	13.5	80.4	0	28	A	
NO3-	0.26	0.07	1.06	88.5	80.4	0	28	A	
pH	5.11	4.46	6.42	2602.5	85.0	0	30	A	
K+	0.09	0.02	0.57	29.4	80.4	0	28	A	
Precip	-	0.5	26.5	336.0	100.0	53	92		
Na+	0.16	0.02	0.77	54.5	80.4	0	28	A	
SO4-- corr	0.38	0.10	1.86	126.0	80.4	0	28	A	
SO4--	0.39	0.10	1.91	131.2	80.4	0	28	A	

FR0008R DONON FRANCE

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.17	0.03	1.76	100.0	98.5	0	56	A	
Ca++	0.11	0.02	2.17	66.1	97.9	0	54	A	
Cl-	0.49	0.05	7.11	294.2	97.9	0	54	A	
Mg++	0.050	0.020	0.530	30.5	97.9	0	54	A	
NO3-	0.20	0.05	1.51	121.2	97.9	0	54	A	
pH	4.87	3.87	6.25	8121.8	99.1	0	57	A	
K+	0.04	0.02	0.19	21.4	97.9	0	54	A	
Precip	-	0.3	98.0	606.8	100.0	27	91		
Na+	0.28	0.02	4.14	169.9	97.9	0	54	A	
SO4-- corr	0.22	0.06	1.89	134.8	97.9	0	54	A	
SO4--	0.25	0.07	2.01	149.4	97.9	0	54	A	

FR0009R REVIN FRANCE

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.29	0.03	3.52	93.7	92.6	0	28	A	
Ca++	0.10	0.01	0.76	31.6	92.6	0	28	A	
Cl-	1.42	0.10	6.36	462.7	92.6	0	28	A	
Mg++	0.104	0.010	0.470	34.0	92.6	0	28	A	
NO3-	0.23	0.08	1.53	74.6	92.6	0	28	A	
pH	5.15	4.49	6.46	2294.3	97.4	0	34	A	
K+	0.05	0.00	0.24	16.9	92.6	1	28	A	
Precip	-	0.0	28.5	326.1	100.0	50	90		
Na+	0.83	0.04	3.51	270.5	92.6	0	28	A	
SO4-- corr	0.27	0.13	2.67	87.4	92.6	0	28	A	
SO4--	0.34	0.15	2.75	109.2	92.6	0	28	A	

FR0009R REVIN FRANCE

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.61	0.10	3.99	220.9	96.6	0	39	A	
Ca++	0.24	0.02	1.62	87.0	96.6	0	39	A	
Cl-	0.78	0.09	7.81	283.8	96.6	0	39	A	
Mg++	0.075	0.020	0.590	27.2	96.6	0	39	A	
NO3-	0.35	0.09	2.75	127.5	96.6	0	39	A	
pH	4.95	3.89	6.57	4019.2	99.0	0	43	A	
K+	0.05	0.02	0.31	18.2	96.6	0	39	A	
Precip	-	0.0	38.0	362.7	100.0	43	92		
Na+	0.45	0.02	4.51	163.6	96.6	0	39	A	
SO4-- corr	0.47	0.12	4.03	169.7	96.6	0	39	A	
SO4--	0.51	0.13	4.13	184.6	96.6	0	39	A	

FR0009R REVIN FRANCE

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.38	0.03	1.18	110.1	90.0	0	35	A	
Ca++	0.20	0.02	0.93	58.1	90.0	0	35	A	
Cl-	0.28	0.05	3.55	80.3	90.0	0	35	A	
Mg++	0.030	0.020	0.270	8.7	90.0	0	35	A	
NO3-	0.32	0.07	0.95	92.1	90.0	0	35	A	
pH	4.75	4.07	6.21	5128.1	91.2	0	38	A	
K+	0.03	0.02	0.43	8.7	90.0	0	35	A	
Precip	-	0.5	21.0	290.1	100.0	48	92		
Na+	0.16	0.02	1.94	47.6	90.0	0	35	A	
SO4-- corr	0.45	0.08	1.42	130.1	90.0	0	35	A	
SO4--	0.46	0.08	1.44	134.7	90.0	0	35	A	

FR0009R REVIN FRANCE

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.31	0.03	6.85	166.9	97.3	0	49	A	
Ca++	0.18	0.02	4.18	99.1	97.3	0	49	A	
Cl-	0.93	0.05	9.73	505.5	97.3	0	49	A	
Mg++	0.081	0.020	0.540	44.4	97.3	0	49	A	
NO3-	0.28	0.06	5.84	153.9	97.3	0	49	A	
pH	4.83	3.55	6.62	8075.2	97.5	0	50	A	
K+	0.05	0.02	0.91	24.9	97.3	0	49	A	
Precip	-	0.3	71.0	545.7	100.0	25	91		
Na+	0.55	0.02	4.72	301.8	97.3	0	49	A	
SO4-- corr	0.39	0.08	8.44	214.7	97.3	0	49	A	
SO4--	0.44	0.11	8.55	240.9	97.3	0	49	A	

FR0010R MORVAN FRANCE

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.23	0.03	1.41	72.3	96.6	0	31	A	
Ca++	0.08	0.01	0.95	25.3	96.6	1	31	A	
Cl-	0.66	0.03	6.10	208.5	96.6	0	31	A	
Mg++	0.071	0.010	1.260	22.3	96.6	0	31	A	
NO3-	0.19	0.04	2.21	58.4	96.6	0	31	A	
pH	5.22	4.26	6.50	1893.7	98.2	0	35	A	
K+	0.06	0.00	0.74	17.6	96.6	1	31	A	
Precip	-	0.0	33.0	315.2	100.0	53	90		
Na+	0.38	0.02	3.28	121.4	96.6	0	31	A	
SO4-- corr	0.21	0.05	3.08	66.9	96.6	0	31	A	
SO4--	0.24	0.06	3.28	77.0	96.6	0	31	A	

FR0010R MORVAN FRANCE

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.37	0.03	3.45	132.8	95.4	0	31	A	
Ca++	0.12	0.02	0.80	44.3	95.4	0	31	A	
Cl-	0.42	0.05	3.07	151.3	95.4	0	31	A	
Mg++	0.040	0.020	0.270	14.6	95.4	0	31	A	
NO3-	0.32	0.05	1.69	117.4	95.4	0	31	A	
pH	4.81	4.20	6.38	5674.8	98.2	0	35	A	
K+	0.05	0.02	0.63	16.7	95.4	0	31	A	
Precip	-	0.0	40.5	362.7	100.0	53	92		
Na+	0.25	0.02	1.75	92.2	95.4	0	31	A	
SO4-- corr	0.34	0.06	1.97	124.3	95.4	0	31	A	
SO4--	0.37	0.06	2.00	132.5	95.4	0	31	A	

FR0010R MORVAN FRANCE

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.41	0.03	2.12	94.4	87.9	0	30	A	
Ca++	0.39	0.05	4.41	89.1	87.9	0	30	A	
Cl-	0.22	0.05	0.82	50.8	87.9	0	30	A	
Mg++	0.055	0.020	0.340	12.6	87.9	0	30	A	
NO3-	0.26	0.06	1.43	59.9	87.9	0	30	A	
pH	5.27	4.48	7.02	1246.1	96.6	0	34	A	
K+	0.07	0.02	0.55	16.1	87.9	0	30	A	
Precip	-	0.0	30.5	229.8	100.0	54	92		
Na+	0.14	0.02	0.58	32.0	87.9	0	30	A	
SO4-- corr	0.39	0.05	2.52	90.1	87.9	0	30	A	
SO4--	0.41	0.05	2.57	93.0	87.9	0	30	A	

FR0010R MORVAN FRANCE

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.22	0.04	0.85	85.0	96.4	0	51	A	
Ca++	0.31	0.02	10.54	122.4	96.2	0	50	A	
Cl-	0.74	0.07	5.38	287.0	96.2	0	50	A	
Mg++	0.090	0.020	0.420	35.1	96.2	0	50	A	
NO3-	0.21	0.06	1.09	80.5	96.2	0	50	A	
pH	4.96	4.12	6.77	4279.0	96.5	0	52	A	
K+	0.10	0.02	1.66	40.7	96.2	0	50	A	
Precip	-	0.2	28.2	388.1	100.0	30	91		
Na+	0.42	0.02	3.10	164.3	96.2	0	50	A	
SO4-- corr	0.27	0.02	1.12	103.1	96.2	0	50	A	
SO4--	0.30	0.08	1.16	117.7	96.2	0	50	A	

FR0011R BONNEVAUX FRANCE

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.18	0.04	2.28	56.3	98.2	0	26	A	
Ca++	0.08	0.01	0.46	24.3	98.2	0	26	A	
Cl-	0.55	0.03	1.48	171.3	98.2	0	26	A	
Mg++	0.036	0.010	0.180	11.2	98.2	1	26	A	
NO3-	0.19	0.05	1.28	57.9	98.2	0	26	A	
pH	5.19	4.40	6.01	2020.9	98.2	0	26	A	
K+	0.01	0.00	0.13	4.7	98.2	0	26	A	
Precip	-	0.0	41.5	310.8	100.0	56	90		
Na+	0.32	0.02	0.88	99.6	98.2	0	26	A	
SO4-- corr	0.18	0.06	1.62	55.5	98.2	0	26	A	
SO4--	0.20	0.06	1.63	61.7	98.2	0	26	A	

FR0011R BONNEVAUX FRANCE

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.59	0.09	1.54	44.5	98.3	0	10	A	
Ca++	0.25	0.12	0.86	18.6	98.3	0	10	A	
Cl-	0.73	0.05	3.55	55.6	98.3	0	10	A	
Mg++	0.078	0.020	0.310	5.9	98.3	0	10	A	
NO3-	0.29	0.15	0.93	21.9	98.3	0	10	A	
pH	5.49	4.83	6.12	243.3	99.3	0	12	A	
K+	0.04	0.02	0.10	2.7	98.3	0	10	A	
Precip	-	0.0	19.0	75.9	100.0	79	92		
Na+	0.43	0.03	2.09	32.3	98.3	0	10	A	
SO4-- corr	0.31	0.10	0.88	23.7	98.3	0	10	A	
SO4--	0.35	0.10	0.91	26.5	98.3	0	10	A	

FR0011R BONNEVAUX FRANCE

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
Precip	-	-	-	0.0	100.0	92	92		

FR0011R BONNEVAUX FRANCE

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
Precip	-	-	-	0.0	100.0	91	91		

FR0012R IRATY FRANCE

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.10	0.01	2.21	29.3	80.7	0	27	A	
Ca++	0.19	0.01	1.66	56.5	80.7	0	27	A	
Cl-	1.79	0.06	8.95	540.1	80.7	0	27	A	
Mg++	0.153	0.010	0.720	46.0	80.7	0	27	A	
NO3-	0.10	0.03	1.88	30.3	80.7	0	27	A	
pH	5.32	4.14	6.72	1433.2	86.1	0	31	A	
K+	0.05	0.00	0.36	14.2	80.7	1	27	A	
Precip	-	0.0	32.5	300.9	100.0	54	90		
Na+	1.07	0.02	5.44	322.4	80.7	0	27	A	
SO4-- corr	0.14	0.03	2.41	42.3	80.7	0	27	A	
SO4--	0.23	0.03	2.45	69.0	80.7	0	27	A	

FR0012R IRATY FRANCE

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.34	0.03	1.83	102.5	94.8	0	38	A	
Ca++	0.36	0.04	2.76	108.0	94.8	0	38	A	
Cl-	1.29	0.06	11.29	386.3	94.8	0	38	A	
Mg++	0.132	0.020	0.860	39.3	94.8	0	38	A	
NO3-	0.28	0.06	1.02	85.1	94.8	0	38	A	
pH	4.97	4.36	6.88	3185.3	97.9	0	43	A	
K+	0.05	0.02	0.27	15.9	94.8	0	38	A	
Precip	-	0.0	29.5	298.7	100.0	44	92		
Na+	0.82	0.03	7.22	244.9	94.8	0	38	A	
SO4-- corr	0.42	0.08	1.74	126.3	94.8	0	38	A	
SO4--	0.49	0.14	1.92	147.0	94.8	0	38	A	

FR0012R IRATY FRANCE

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.63	0.07	7.68	146.2	98.2	0	34	A	
Ca++	1.11	0.07	7.20	257.3	98.2	0	34	A	
Cl-	0.94	0.06	8.17	217.9	98.2	0	34	A	
Mg++	0.145	0.030	0.610	33.9	98.2	0	34	A	
NO3-	0.34	0.07	2.26	80.4	98.2	0	34	A	
pH	5.30	4.12	7.39	1164.5	99.4	0	37	A	
K+	0.11	0.02	2.85	26.6	98.2	0	34	A	
Precip	-	0.1	28.0	232.9	100.0	53	92		
Na+	0.59	0.03	4.69	136.8	98.2	0	34	A	
SO4-- corr	0.70	0.14	3.46	162.2	98.2	0	34	A	
SO4--	0.75	0.15	3.56	173.7	98.2	0	34	A	

FR0012R IRATY FRANCE

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.18	0.03	2.54	127.1	99.9	0	56	A	
Ca++	0.23	0.02	11.85	165.2	96.6	0	55	A	
Cl-	0.93	0.05	3.81	665.9	96.6	0	55	A	
Mg++	0.095	0.020	0.510	68.2	96.6	0	55	A	
NO3-	0.14	0.04	1.29	98.2	96.6	0	55	A	
pH	5.10	4.37	7.40	5711.9	99.9	0	56	A	
K+	0.08	0.02	1.02	58.3	96.6	0	55	A	
Precip	-	0.5	53.0	716.1	100.0	34	91		
Na+	0.56	0.02	2.44	402.2	96.6	0	55	A	
SO4-- corr	0.22	0.04	3.08	159.1	96.6	0	55	A	
SO4--	0.27	0.06	3.19	192.7	96.6	0	55	A	

FR0013R PEYRUSSE VIEILLE FRANCE

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.23	0.05	0.86	16.6	99.3	0	13	A	
Ca++	0.29	0.12	0.90	20.6	99.3	0	13	A	
Cl-	2.22	0.61	6.05	157.3	99.3	0	13	A	
Mg++	0.200	0.050	0.500	14.2	99.3	0	13	A	
NO3-	0.14	0.04	0.63	10.0	99.3	0	13	A	
pH	5.35	5.05	6.30	316.3	99.3	0	13	A	
K+	0.10	0.02	0.33	7.1	99.3	0	13	A	
Precip	-	0.0	19.5	70.8	65.6	45	59		
Na+	1.36	0.32	3.69	96.4	99.3	0	13	A	
SO4-- corr	0.22	0.02	0.79	15.5	99.3	0	13	A	
SO4--	0.33	0.15	0.95	23.6	99.3	0	13	A	

FR0013R PEYRUSSE VIEILLE FRANCE

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.39	0.03	1.85	112.7	96.6	0	35	A	
Ca++	0.29	0.05	1.38	84.4	96.6	0	35	A	
Cl-	1.60	0.10	7.16	463.5	96.6	0	35	A	
Mg++	0.150	0.020	0.540	43.5	96.6	0	35	A	
NO3-	0.28	0.06	1.27	81.5	96.6	0	35	A	
pH	5.02	4.46	6.28	2779.9	96.9	0	37	A	
K+	0.14	0.02	0.92	41.5	96.6	0	35	A	
Precip	-	0.0	39.0	289.7	100.0	50	92		
Na+	0.97	0.04	4.45	281.5	96.6	0	35	A	
SO4-- corr	0.43	0.13	1.63	125.3	96.6	0	35	A	
SO4--	0.51	0.15	1.69	149.2	96.6	0	35	A	

FR0013R PEYRUSSE VIEILLE FRANCE

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.66	0.03	1.49	119.5	99.3	0	22	A	
Ca++	1.06	0.23	3.66	192.1	99.3	0	22	A	
Cl-	1.27	0.15	7.44	229.3	99.3	0	22	A	
Mg++	0.115	0.020	0.560	20.8	99.3	0	22	A	
NO3-	0.43	0.02	1.04	77.2	99.3	0	22	A	
pH	5.36	4.50	6.81	793.9	99.8	0	23	A	
K+	0.22	0.04	0.77	40.8	99.3	0	22	A	
Precip	-	0.0	56.5	181.2	100.0	68	92		
Na+	0.84	0.07	4.10	152.0	99.3	0	22	A	
SO4-- corr	0.77	0.14	2.86	139.5	99.3	0	22	A	
SO4--	0.84	0.38	2.96	152.3	99.3	0	22	A	

FR0013R PEYRUSSE VIEILLE FRANCE

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.22	0.03	1.93	70.3	99.2	0	52	A	
Ca++	0.53	0.04	5.29	168.7	98.4	0	48	A	
Cl-	1.54	0.13	12.04	495.2	98.4	0	48	A	
Mg++	0.141	0.020	1.020	45.3	98.4	0	48	A	
NO3-	0.22	0.05	1.99	71.1	98.4	0	48	A	
pH	4.85	3.95	6.38	4491.1	99.6	0	54	A	
K+	0.09	0.02	0.51	30.1	98.4	0	48	A	
Precip	-	0.0	25.6	320.7	100.0	33	91		
Na+	0.90	0.05	6.85	287.3	98.4	0	48	A	
SO4-- corr	0.41	0.10	2.90	130.6	98.4	0	48	A	
SO4--	0.48	0.19	3.37	154.8	98.4	0	48	A	

FR0014R MONTANDON FRANCE

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.33	0.03	2.87	69.8	98.8	0	23	A	
Ca++	0.32	0.02	4.27	68.0	98.8	0	23	A	
Cl-	0.16	0.05	0.91	33.8	98.8	0	23	A	
Mg++	0.040	0.020	0.520	8.4	98.8	0	23	A	
NO3-	0.34	0.13	1.45	71.4	98.8	0	23	A	
pH	4.86	4.32	6.82	2874.0	99.5	0	25	A	
K+	0.04	0.02	0.49	8.8	98.8	0	23	A	
Precip	-	0.0	31.0	209.6	100.0	62	92		
Na+	0.09	0.02	0.62	18.8	98.8	0	23	A	
SO4-- corr	0.42	0.07	2.53	88.5	98.8	0	23	A	
SO4--	0.43	0.07	2.56	90.7	98.8	0	23	A	

FR0014R MONTANDON FRANCE

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.41	0.03	1.43	123.5	98.0	0	37	A	
Ca++	0.42	0.03	3.07	127.8	97.9	0	36	A	
Cl-	0.20	0.05	1.01	60.3	97.9	0	36	A	
Mg++	0.048	0.020	0.200	14.7	97.9	0	36	A	
NO3-	0.31	0.06	1.08	95.7	97.9	0	36	A	
pH	5.00	4.38	6.87	3046.7	98.2	0	38	A	
K+	0.07	0.02	0.81	20.5	97.9	0	36	A	
Precip	-	0.0	36.0	304.7	100.0	42	92		
Na+	0.11	0.02	0.48	34.7	97.9	0	36	A	
SO4-- corr	0.45	0.05	1.64	138.1	97.9	0	36	A	
SO4--	0.47	0.05	1.74	141.7	97.9	0	36	A	

FR0014R MONTANDON FRANCE

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.19	0.03	0.77	89.4	95.9	0	40	A	
Ca++	0.16	0.02	2.70	76.6	95.9	0	40	A	
Cl-	0.46	0.05	3.82	223.7	95.9	0	40	A	
Mg++	0.046	0.020	0.320	22.4	95.9	0	40	A	
NO3-	0.22	0.05	0.86	107.0	95.9	0	40	A	
pH	4.86	4.14	6.56	6629.1	96.0	0	41	A	
K+	0.03	0.02	0.12	13.6	95.9	0	40	A	
Precip	-	0.2	88.5	484.6	100.0	34	91		
Na+	0.28	0.02	2.14	135.1	95.9	0	40	A	
SO4-- corr	0.25	0.05	0.85	118.9	95.9	0	40	A	
SO4--	0.27	0.05	0.93	130.4	95.9	0	40	A	

GB0002R ESKDALEMUIR UNITED KINGDOM

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.27	0.01	3.75	101.0	99.6	0	60	B	
Ca++	0.32	0.03	4.14	120.5	99.6	0	60	B	
Cl-	3.41	0.24	15.92	1297.1	99.6	0	60	A	
Mg++	0.393	0.025	1.800	149.3	99.6	0	60	B	
NO3-	0.20	0.01	2.05	77.7	99.6	0	60	A	
pH	5.11	4.12	6.61	2982.3	99.6	0	60	A	
K+	0.05	0.03	0.38	20.3	99.6	17	60	A	
Precip	-	0.0	24.8	380.2	100.0	16	90		
Na+	1.98	0.03	9.52	753.4	99.6	0	60	A	
SO4-- corr	0.32	0.08	3.13	121.5	99.6	0	60	A	
SO4--	0.49	0.09	3.72	184.5	99.6	0	60	A	

GB0002R ESKDALEMUIR UNITED KINGDOM

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.31	0.04	4.43	87.0	99.8	0	50	B	
Ca++	0.22	0.03	2.53	63.6	99.8	4	50	B	
Cl-	1.32	0.28	10.42	373.0	94.4	0	47	A	
Mg++	0.170	0.025	0.678	48.1	99.8	9	50	B	
NO3-	0.30	0.04	5.21	85.1	99.8	0	50	A	
pH	4.68	3.61	5.75	5962.4	99.8	0	50	A	
K+	0.04	0.03	0.83	10.9	99.8	26	50	A	
Precip	-	0.0	22.0	283.3	100.0	31	92		
Na+	0.70	0.01	6.43	199.5	94.4	1	47	A	
SO4-- corr	0.43	0.12	5.32	122.1	99.8	0	50	A	
SO4--	0.50	0.16	5.62	141.0	99.8	0	50	A	

GB0002R ESKDALEMUIR UNITED KINGDOM

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.19	0.01	2.88	76.0	99.9	6	60	B	
Ca++	0.12	0.03	0.58	49.5	99.9	2	60	B	
Cl-	0.91	0.25	5.88	360.0	87.3	0	58	A	
Mg++	0.109	0.025	0.538	43.0	99.9	10	60	B	
NO3-	0.14	0.01	1.00	56.6	99.9	2	60	A	
pH	4.86	4.06	6.62	5428.3	99.9	0	60	A	
K+	0.04	0.03	0.51	16.6	99.9	36	60	A	
Precip	-	0.0	29.8	395.0	100.0	29	92		
Na+	0.48	0.06	3.31	190.7	87.3	0	58	A	
SO4-- corr	0.27	0.01	1.41	107.1	99.9	0	60	A	
SO4--	0.32	0.06	1.42	125.8	99.9	0	60	A	

GB0002R ESKDALEMUIR UNITED KINGDOM

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.14	0.01	1.00	64.1	99.9	5	62	B	
Ca++	0.17	0.03	1.06	74.2	99.9	1	62	B	
Cl-	2.58	0.30	38.61	1157.4	92.5	0	60	A	
Mg++	0.272	0.025	3.972	122.0	99.9	2	62	B	
NO3-	0.15	0.01	1.71	65.9	99.9	9	62	A	
pH	4.89	3.97	5.50	5767.6	99.9	0	62	A	
K+	0.06	0.03	0.79	26.4	99.9	28	62	A	
Precip	-	0.0	31.6	448.4	100.0	24	91		
Na+	1.46	0.08	21.99	656.2	92.5	0	60	A	
SO4-- corr	0.21	0.00	1.21	92.4	99.9	1	62	A	
SO4--	0.33	0.02	2.00	146.1	99.9	1	62	A	

GB0006R LOUGH NAVAR UNITED KINGDOM

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.13	0.01	2.25	49.9	99.9	10	55	B	
Ca++	0.52	0.10	24.10	204.9	99.9	0	55	B	
Cl-	7.15	0.26	77.78	2826.8	98.9	0	54	A	
Mg++	0.816	0.094	7.497	322.3	99.9	0	55	B	
NO3-	0.09	0.01	2.11	37.6	99.9	10	55	A	
pH	5.35	4.98	6.83	1764.7	99.9	0	55	A	
K+	0.13	0.03	1.60	51.4	99.9	19	55	A	
Precip	-	0.0	27.3	395.1	100.0	28	90		
Na+	4.12	0.07	45.20	1629.8	98.9	0	54	A	
SO4-- corr	0.12	-0.17	6.01	45.8	99.9	5	55	A	
SO4--	0.47	0.07	6.94	186.2	99.9	0	55	A	

GB0006R LOUGH NAVAR UNITED KINGDOM

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.21	0.01	1.04	56.6	99.8	7	55	B	
Ca++	0.59	0.03	2.50	155.6	99.8	1	55	B	
Cl-	2.52	0.36	21.22	667.5	99.8	0	55	A	
Mg++	0.422	0.025	1.878	111.5	99.8	1	55	B	
NO3-	0.14	0.01	0.90	38.1	99.8	12	55	A	
pH	5.05	4.22	6.47	2362.6	99.8	0	55	A	
K+	0.06	0.03	0.64	14.8	99.8	27	55	A	
Precip	-	0.0	18.2	264.5	100.0	31	92		
Na+	1.44	0.11	12.56	381.2	99.8	0	55	A	
SO4-- corr	0.24	-0.12	1.30	64.5	99.8	4	55	A	
SO4--	0.38	0.10	1.46	100.3	99.8	0	55	A	

GB0006R LOUGH NAVAR UNITED KINGDOM

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.12	0.01	0.88	46.7	100.0	12	60	B	
Ca++	0.35	0.11	1.94	141.9	100.0	0	60	B	
Cl-	1.48	0.20	17.46	593.0	97.9	0	58	A	
Mg++	0.223	0.025	1.527	89.1	100.0	3	60	B	
NO3-	0.08	0.01	0.61	32.0	100.0	22	60	A	
pH	5.13	4.53	6.24	2955.0	100.0	0	60	A	
K+	0.04	0.03	0.37	16.7	100.0	35	60	A	
Precip	-	0.0	29.7	399.6	100.0	29	92		
Na+	0.82	0.01	10.28	327.6	97.9	1	58	A	
SO4-- corr	0.20	-0.14	0.94	79.3	100.0	3	60	A	
SO4--	0.28	0.02	1.13	110.7	100.0	2	60	A	

GB0006R LOUGH NAVAR UNITED KINGDOM

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.10	0.01	2.31	47.8	99.9	7	57	B	
Ca++	0.43	0.05	3.01	213.2	99.9	0	57	B	
Cl-	6.35	0.23	28.64	3159.2	99.9	0	57	A	
Mg++	0.669	0.025	2.139	332.8	99.9	1	57	B	
NO3-	0.06	0.01	4.62	28.0	99.9	27	57	A	
pH	5.31	3.48	6.47	2449.5	99.9	0	57	A	
K+	0.14	0.03	0.84	70.4	99.9	15	57	A	
Precip	-	0.0	30.2	497.7	100.0	28	91		
Na+	3.64	0.06	16.19	1812.8	99.9	0	57	A	
SO4-- corr	0.11	-0.01	4.49	56.4	99.9	5	57	A	
SO4--	0.42	0.02	4.55	208.1	99.9	2	57	A	

GB0013R YARNER WOOD UNITED KINGDOM

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.18	0.01	0.97	54.9	99.9	6	40	B	
Ca++	0.47	0.03	2.79	140.5	99.9	0	40	B	
Cl-	8.06	0.50	90.58	2423.0	99.9	0	40	A	
Mg++	0.908	0.025	8.849	272.8	99.9	0	40	B	
NO3-	0.16	0.01	0.70	49.2	99.9	3	40	A	
pH	5.35	4.97	6.57	1333.2	99.9	0	40	A	
K+	0.15	0.03	1.95	46.2	99.9	4	40	A	
Precip	-	0.0	31.5	300.5	100.0	48	90		
Na+	4.71	0.15	53.85	1414.4	99.9	0	40	A	
SO4-- corr	0.21	-0.07	0.79	63.3	99.9	3	40	A	
SO4--	0.61	0.16	5.11	181.7	99.9	0	40	A	

GB0013R YARNER WOOD UNITED KINGDOM

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.37	0.03	4.55	100.7	99.8	0	41	B	
Ca++	0.69	0.08	3.33	186.7	99.8	0	41	B	
Cl-	5.26	0.39	37.19	1435.6	99.8	0	41	A	
Mg++	0.614	0.064	4.430	167.3	99.8	0	41	B	
NO3-	0.35	0.01	4.59	96.6	99.8	1	41	A	
pH	4.97	4.05	6.27	2948.0	99.8	0	41	A	
K+	0.11	0.03	0.78	30.7	99.8	14	41	A	
Precip	-	0.0	25.9	272.7	100.0	45	92		
Na+	3.08	0.17	21.48	840.7	99.8	0	41	A	
SO4-- corr	0.43	0.03	3.27	117.8	99.8	0	41	A	
SO4--	0.69	0.10	3.72	188.3	99.8	0	41	A	

GB0013R YARNER WOOD UNITED KINGDOM

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.28	0.01	3.56	46.3	99.8	3	31	B	
Ca++	0.24	0.05	2.16	40.4	99.8	0	31	B	
Cl-	1.38	0.26	22.01	233.0	99.8	0	31	A	
Mg++	0.228	0.025	1.554	38.4	99.8	1	31	B	
NO3-	0.20	0.03	1.72	34.1	99.8	0	31	A	
pH	4.84	4.22	6.58	2410.9	99.8	0	31	A	
K+	0.08	0.03	1.21	13.2	99.8	9	31	A	
Precip	-	0.1	17.1	168.5	100.0	58	92		
Na+	0.77	0.07	12.64	130.0	99.8	0	31	A	
SO4-- corr	0.31	0.08	1.66	52.9	99.8	0	31	A	
SO4--	0.39	0.09	1.86	65.2	99.8	0	31	A	

GB0013R YARNER WOOD UNITED KINGDOM

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.19	0.01	3.86	76.6	92.2	2	54	B	
Ca++	0.25	0.09	2.98	102.9	92.2	0	54	B	
Cl-	4.07	0.29	122.21	1665.1	92.2	0	54	A	
Mg++	0.415	0.062	10.928	170.2	92.2	0	54	B	
NO3-	0.14	0.01	4.28	57.8	92.2	7	54	A	
pH	4.94	3.88	6.50	4703.8	99.9	0	55	A	
K+	0.10	0.03	2.40	41.8	92.2	11	54	A	
Precip	-	0.0	32.3	409.6	100.0	32	91		
Na+	2.32	0.06	67.55	950.5	92.2	0	54	A	
SO4-- corr	0.25	-0.05	2.14	103.9	92.2	2	54	A	
SO4--	0.45	0.02	5.78	185.3	92.2	1	54	A	

GB0014R HIGH MUFFLES UNITED KINGDOM

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.34	0.01	2.40	72.6	98.9	2	38	B	
Ca++	0.25	0.03	1.98	54.3	98.9	0	38	B	
Cl-	5.05	0.26	78.18	1090.3	95.5	0	36	A	
Mg++	0.470	0.025	9.003	101.6	98.9	0	38	B	
NO3-	0.29	0.06	2.38	62.6	98.9	0	38	A	
pH	4.80	3.94	5.90	3388.5	98.9	0	38	A	
K+	0.09	0.03	1.57	19.8	98.9	5	38	A	
Precip	-	0.0	23.7	215.9	100.0	40	90		
Na+	2.80	0.06	48.13	604.5	95.5	0	36	A	
SO4-- corr	0.51	0.02	2.11	109.7	98.9	0	38	A	
SO4--	0.73	0.02	4.90	158.4	98.9	0	38	A	

GB0014R HIGH MUFFLES UNITED KINGDOM

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.68	0.06	4.47	190.1	99.8	0	53	B	
Ca++	0.37	0.08	7.01	105.2	99.8	0	53	B	
Cl-	4.58	0.34	35.86	1289.2	85.3	0	46	A	
Mg++	0.374	0.025	4.471	105.4	99.8	6	53	B	
NO3-	0.59	0.12	4.12	166.7	99.8	0	53	A	
pH	4.38	3.64	6.38	11831.1	99.8	0	53	A	
K+	0.10	0.03	0.76	27.9	99.8	25	53	A	
Precip	-	0.1	31.0	281.7	100.0	34	92		
Na+	2.57	0.10	20.59	723.3	85.3	0	46	A	
SO4-- corr	0.81	0.18	4.43	227.5	99.8	0	53	A	
SO4--	1.00	0.20	4.49	281.9	99.8	0	53	A	

GB0014R HIGH MUFFLES UNITED KINGDOM

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.47	0.05	4.59	55.0	99.5	0	30	B	
Ca++	0.42	0.08	27.35	49.0	99.5	0	30	B	
Cl-	1.44	0.30	16.65	168.3	93.6	0	29	A	
Mg++	0.168	0.050	6.129	19.7	99.5	0	30	B	
NO3-	0.41	0.13	3.69	48.2	99.5	0	30	A	
pH	4.47	3.63	6.78	3959.0	99.5	0	30	A	
K+	0.12	0.03	10.22	13.5	99.5	9	30	A	
Precip	-	0.0	28.1	117.2	100.0	52	92		
Na+	0.85	0.10	25.24	99.4	93.6	0	29	A	
SO4-- corr	0.85	0.25	22.79	99.5	99.5	0	30	A	
SO4--	0.92	0.32	24.90	108.2	99.5	0	30	A	

GB0014R HIGH MUFFLES UNITED KINGDOM

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.45	0.05	10.91	121.4	90.1	0	44	B	
Ca++	0.19	0.06	2.81	51.4	90.1	0	44	B	
Cl-	3.06	0.44	32.10	833.7	87.6	0	41	A	
Mg++	0.248	0.025	2.697	67.7	90.1	5	44	B	
NO3-	0.41	0.05	7.83	112.1	90.1	0	44	A	
pH	4.50	3.31	6.22	8586.8	90.5	0	45	A	
K+	0.09	0.03	0.73	23.5	90.1	8	44	A	
Precip	-	0.0	25.5	272.4	100.0	38	91		
Na+	1.67	0.17	18.07	454.2	87.6	0	41	A	
SO4-- corr	0.59	0.12	8.36	161.9	90.1	0	44	A	
SO4--	0.74	0.30	8.64	201.1	90.1	0	44	A	

GB0015R STRATHVAICH DAM UNITED KINGDOM

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.03	0.01	0.29	8.8	99.8	25	51	B	
Ca++	0.32	0.03	2.11	104.2	99.8	0	51	B	
Cl-	3.50	0.24	17.04	1122.0	99.8	0	51	A	
Mg++	0.448	0.070	1.503	143.8	99.8	0	51	B	
NO3-	0.05	0.01	0.50	16.4	99.8	11	51	A	
pH	5.31	4.75	5.65	1557.1	99.8	0	51	A	
K+	0.06	0.03	0.30	19.7	99.8	20	51	A	
Precip	-	0.0	29.2	320.9	100.0	27	90		
Na+	2.02	0.01	10.29	649.0	99.8	2	51	A	
SO4-- corr	0.08	-0.06	0.49	25.5	99.8	5	51	A	
SO4--	0.25	0.02	1.22	80.5	99.8	2	51	A	

GB0015R STRATHVAICH DAM UNITED KINGDOM

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.11	0.01	1.32	19.1	99.4	13	44	B	
Ca++	0.37	0.03	2.58	63.2	99.4	1	44	B	
Cl-	4.88	0.30	43.46	833.8	99.4	0	44	A	
Mg++	0.549	0.057	5.170	93.8	99.4	0	44	B	
NO3-	0.20	0.01	1.92	35.0	99.4	1	44	A	
pH	4.72	3.65	6.68	3230.3	99.4	0	44	A	
K+	0.11	0.03	1.10	19.3	99.4	9	44	A	
Precip	-	0.0	21.5	170.8	100.0	34	92		
Na+	2.79	0.10	26.00	477.2	99.4	0	44	A	
SO4-- corr	0.31	0.01	3.37	53.2	99.4	0	44	A	
SO4--	0.56	0.08	3.46	95.5	99.4	0	44	A	

GB0015R STRATHVAICH DAM UNITED KINGDOM

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.16	0.01	3.81	33.5	99.7	10	48	B	
Ca++	0.19	0.03	1.86	39.7	99.7	4	48	B	
Cl-	1.31	0.19	35.95	271.5	91.0	0	46	A	
Mg++	0.189	0.025	2.527	39.2	99.7	6	48	B	
NO3-	0.09	0.01	1.10	19.0	99.7	8	48	A	
pH	5.00	4.11	7.11	2079.1	99.7	0	48	A	
K+	0.08	0.03	1.15	17.0	99.7	23	48	A	
Precip	-	0.0	20.9	207.0	100.0	37	92		
Na+	0.72	0.01	20.53	148.5	91.0	1	46	A	
SO4-- corr	0.18	0.04	1.41	36.4	99.7	0	48	A	
SO4--	0.24	0.06	3.13	50.0	99.7	0	48	A	

GB0015R STRATHVAICH DAM UNITED KINGDOM

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.05	0.01	2.54	17.5	99.9	25	52	B	
Ca++	0.43	0.06	7.52	143.1	99.9	0	52	B	
Cl-	6.02	0.03	26.17	1985.5	99.9	1	52	A	
Mg++	0.648	0.025	1.969	213.6	99.9	2	52	B	
NO3-	0.05	0.01	1.86	17.5	99.9	25	52	A	
pH	5.32	3.93	6.90	1571.7	99.9	0	52	A	
K+	0.14	0.03	0.52	45.0	99.9	7	52	A	
Precip	-	0.0	31.1	329.7	100.0	36	91		
Na+	3.45	0.03	14.58	1138.1	99.9	0	52	A	
SO4-- corr	0.07	-0.06	3.33	24.1	99.9	4	52	A	
SO4--	0.36	0.02	3.47	118.9	99.9	2	52	A	

HU0002R K-PUSZTA HUNGARY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	-4.	-91.	61.	-440.	98.9	6	13	A	
NH4+	0.28	0.02	0.82	32.1	98.9	4	13	B	
Ca++	0.88	0.49	2.08	100.5	98.9	0	13	B	
Cl-	1.03	0.32	5.64	117.8	100.0	0	14	B	
Mg++	0.430	0.210	2.030	49.0	96.8	0	12	A	
NO3-	0.28	0.01	0.53	32.3	100.0	0	14	A	
pH	5.45	5.16	6.95	402.9	98.9	0	13	A	
K+	0.12	0.03	0.21	13.1	98.9	1	13	B	
Precip	-	0.0	33.3	113.9	100.0	76	90		
Na+	0.75	0.41	1.76	85.6	98.9	0	13	B	
SO4-- corr	0.84	0.27	1.36	95.5	100.0	0	14	B	
SO4--	0.92	0.33	1.83	104.4	100.0	0	14	B	

HU0002R K-PUSZTA HUNGARY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	-31.	-140.	-2.	-6039.	98.0	19	19	A	
NH4+	0.43	0.09	2.40	82.1	100.0	0	21	B	
Ca++	0.59	0.16	2.09	113.9	100.0	0	21	B	
Cl-	0.59	0.05	2.81	114.6	100.0	1	21	B	
Mg++	0.258	0.070	1.290	49.8	100.0	0	21	A	
NO3-	0.22	0.06	0.93	43.3	100.0	0	21	A	
pH	6.13	5.71	7.06	143.0	99.3	0	20	A	
K+	0.14	0.03	1.27	27.0	100.0	1	21	B	
Precip	-	0.0	37.0	193.1	100.0	71	92		
Na+	0.58	0.22	1.83	112.1	100.0	0	21	B	
SO4-- corr	0.75	0.18	4.27	144.4	100.0	0	21	B	
SO4--	0.80	0.20	4.37	153.8	100.0	0	21	B	

HU0002R K-PUSZTA HUNGARY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	-4.	-50.	15.	-515.	96.9	8	12	A	
NH4+	0.52	0.16	1.84	64.3	100.0	0	17	B	
Ca++	0.51	0.26	1.40	63.9	99.8	0	16	B	
Cl-	0.56	0.32	1.42	69.7	100.0	0	17	B	
Mg++	0.145	0.080	0.560	18.0	100.0	0	17	A	
NO3-	0.28	0.11	1.22	34.8	100.0	0	17	A	
pH	5.90	5.51	6.86	155.7	99.8	0	16	A	
K+	0.16	0.03	0.85	20.2	99.8	2	16	B	
Precip	-	0.0	44.2	124.3	100.0	75	92		
Precip off	-	0.0	42.5	144.8	67.4	49	62		
Na+	0.56	0.29	1.65	69.5	99.8	0	16	B	
SO4-- corr	0.75	0.29	2.60	93.7	100.0	0	17	B	
SO4--	0.81	0.35	2.74	100.2	100.0	0	17	B	

HU0002R K-PUSZTA HUNGARY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	-15.	-84.	31.	-2796.	98.4	11	22	A	
NH4+	0.38	0.02	0.86	72.0	100.0	1	25	B	
Ca++	0.62	0.18	2.10	117.6	99.6	0	24	B	
Cl-	0.92	0.11	4.87	175.3	100.0	0	25	B	
Mg++	0.189	0.060	0.490	36.1	99.6	0	24	A	
NO3-	0.41	0.06	0.91	78.1	100.0	0	25	A	
pH	5.63	4.71	6.68	447.1	100.0	0	25	A	
K+	0.11	0.03	1.10	21.0	100.0	9	25	B	
Precip	-	0.0	30.0	191.0	100.0	66	91		
Precip off	-	0.0	35.6	209.2	97.8	66	89		
Na+	0.57	0.14	2.35	109.5	100.0	0	25	B	
SO4-- corr	0.66	0.13	1.83	125.8	100.0	0	25	B	
SO4--	0.74	0.17	1.89	140.5	100.0	0	25	B	

IE0002R TURLOUGH HILL IRELAND

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.29	0.02	2.75	93.1	100.0	0	44	A	
Ca++	0.28	0.00	8.70	90.7	100.0	3	44	B	
Cl-	7.09	0.38	91.30	2273.4	100.0	0	44	B	
Mg++	0.486	0.010	6.470	156.0	100.0	0	44	B	
NO3-	0.17	0.01	2.63	55.7	100.0	0	44	A	
pH	5.45	4.70	6.60	1152.0	99.9	0	42	B	
K+	0.28	0.00	2.31	90.2	100.0	1	44	B	
Precip	-	0.0	26.5	320.7	100.0	46	90		
Na+	4.01	0.21	49.29	1285.4	100.0	0	44	A	
SO4-- corr	0.26	0.06	2.35	82.7	100.0	0	44	A	
SO4--	0.59	0.08	5.15	189.4	100.0	0	44	A	

IE0002R TURLOUGH HILL IRELAND

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.49	0.08	4.30	213.3	100.0	0	55	A	
Ca++	0.17	0.00	2.00	72.2	100.0	2	54	B	
Cl-	2.14	0.10	20.90	924.4	100.0	0	54	B	
Mg++	0.149	0.000	1.370	64.5	100.0	1	54	B	
NO3-	0.22	0.00	2.80	97.1	100.0	1	55	A	
pH	5.21	4.40	6.40	2653.8	99.7	0	51	B	
K+	0.04	0.00	0.21	18.1	100.0	3	54	B	
Precip	-	0.3	33.5	432.1	100.0	39	92		
Na+	1.16	0.03	10.79	500.8	100.0	0	55	A	
SO4-- corr	0.37	-0.05	3.31	159.8	100.0	1	54	A	
SO4--	0.46	0.09	3.40	200.5	100.0	0	54	A	

IE0002R TURLOUGH HILL IRELAND

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.52	0.11	2.73	180.7	100.0	0	63	A	
Ca++	0.13	0.00	0.90	46.1	100.0	1	63	B	
Cl-	0.62	0.10	6.40	213.9	100.0	0	63	B	
Mg++	0.067	0.010	0.330	23.2	100.0	0	63	B	
NO3-	0.17	0.03	1.43	59.2	100.0	0	63	A	
pH	5.31	4.70	6.40	1669.0	99.5	0	57	B	
K+	0.03	0.00	0.64	11.6	100.0	3	63	B	
Precip	-	0.2	21.3	344.1	100.0	31	92		
Na+	0.52	0.09	3.59	177.8	100.0	0	63	A	
SO4-- corr	0.32	-0.08	1.23	108.6	99.7	1	59	A	
SO4--	0.36	0.00	1.28	122.7	99.7	1	59	A	

IE0002R TURLOUGH HILL IRELAND

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.31	0.03	6.10	183.1	97.5	0	66	A	
Ca++	0.14	0.00	1.50	84.9	97.5	1	66	B	
Cl-	2.77	0.10	31.10	1653.6	97.5	0	66	B	
Mg++	0.205	0.010	2.070	122.8	97.5	0	66	B	
NO3-	0.20	0.02	8.45	121.6	97.5	0	66	A	
pH	5.16	3.90	6.90	4115.1	99.9	0	65	B	
K+	0.14	0.00	2.39	80.5	97.5	2	66	B	
Precip	-	0.2	42.2	598.0	100.0	24	91		
Na+	1.61	0.19	16.52	963.2	97.5	0	66	A	
SO4-- corr	0.26	0.04	4.07	157.4	97.4	0	64	A	
SO4--	0.39	0.06	4.21	235.0	97.4	0	64	A	

IE0003R THE BURREN IRELAND

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.20	0.00	2.46	59.4	100.0	2	35	A	
Ca++	0.51	0.00	5.70	146.8	100.0	3	35	B	
Cl-	16.75	1.00	87.50	4846.8	100.0	0	35	B	
Mg++	1.156	0.116	5.446	334.5	100.0	0	35	B	
NO3-	0.08	0.00	1.36	22.2	100.0	1	35	A	
pH	5.37	5.00	6.60	1241.7	99.9	0	34	B	
K+	0.18	0.01	0.84	51.1	100.0	0	35	B	
Precip	-	0.0	27.9	289.4	100.0	55	90		
Na+	9.26	0.84	43.80	2680.0	100.0	0	35	A	
SO4-- corr	0.21	-1.79	2.07	60.8	100.0	1	35	A	
SO4--	0.87	0.00	5.21	250.8	100.0	5	35	A	

IE0003R THE BURREN IRELAND

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.46	0.11	5.27	102.1	100.0	0	42	A	
Ca++	0.34	0.10	2.50	76.2	100.0	0	42	B	
Cl-	4.96	0.50	49.40	1095.3	100.0	0	42	B	
Mg++	0.344	0.052	3.158	75.9	100.0	0	42	B	
NO3-	0.17	0.02	1.24	36.5	100.0	0	42	A	
pH	5.67	4.70	6.70	472.3	100.0	0	42	B	
K+	0.08	0.02	0.59	16.6	100.0	0	42	B	
Precip	-	0.3	17.8	220.8	100.0	50	92		
Na+	2.81	0.34	25.60	620.9	100.0	0	42	A	
SO4-- corr	0.39	0.08	2.05	85.6	100.0	0	42	A	
SO4--	0.62	0.15	2.76	136.7	100.0	0	42	A	

IE0003R THE BURREN IRELAND

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.28	0.01	5.25	84.8	100.0	0	47	A	
Ca++	0.24	0.00	2.90	73.2	100.0	2	47	B	
Cl-	2.44	0.00	23.70	736.9	100.0	1	47	B	
Mg++	0.190	0.005	1.755	57.4	100.0	0	47	B	
NO3-	0.13	0.00	2.27	39.0	100.0	1	47	A	
pH	4.94	3.90	6.50	3465.3	99.7	0	44	B	
K+	0.06	0.00	0.46	17.8	100.0	1	47	B	
Precip	-	0.2	32.4	301.9	100.0	45	92		
Na+	1.62	0.13	13.88	487.5	100.0	0	47	A	
SO4-- corr	0.45	-0.04	6.61	136.4	100.0	2	47	A	
SO4--	0.58	0.00	7.10	175.6	100.0	2	47	A	

IE0003R THE BURREN IRELAND

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.18	0.00	3.93	72.1	100.0	11	63	A	
Ca++	0.39	0.10	3.60	159.7	100.0	0	63	B	
Cl-	13.59	0.00	172.60	5504.5	100.0	1	63	B	
Mg++	0.937	0.021	11.100	379.7	100.0	0	63	B	
NO3-	0.12	0.00	4.13	49.9	100.0	1	63	A	
pH	5.24	3.90	6.40	2319.6	100.0	0	63	B	
K+	0.16	0.00	1.73	63.3	100.0	2	63	B	
Precip	-	0.4	32.3	405.2	100.0	28	91		
Na+	7.68	0.28	92.78	3113.7	100.0	0	63	A	
SO4-- corr	0.17	-1.37	3.85	66.8	100.0	10	63	A	
SO4--	0.80	0.00	8.20	325.1	100.0	6	63	A	

IE0004R RIDGE OF CAPARD IRELAND

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.33	0.10	2.02	102.9	100.0	0	40	A	
Ca++	0.20	0.00	2.70	62.1	100.0	5	40	B	
Cl-	4.72	0.40	38.80	1467.3	100.0	0	40	B	
Mg++	0.367	0.060	2.700	114.1	100.0	0	40	B	
NO3-	0.08	0.02	0.85	25.0	100.0	0	40	A	
pH	5.47	4.90	7.00	1051.6	100.0	0	40	B	
K+	0.05	0.00	0.44	16.6	100.0	3	40	B	
Precip	-	0.0	30.7	311.1	100.0	50	90		
Na+	3.03	0.38	21.68	941.9	100.0	0	40	A	
SO4-- corr	0.18	0.03	1.16	55.1	61.3	0	25	A	
SO4--	0.39	0.08	1.93	121.8	100.0	0	40	A	

IE0004R RIDGE OF CAPARD IRELAND

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.64	0.10	3.51	167.0	100.0	0	42	A	
Ca++	0.26	0.10	1.50	68.1	100.0	0	42	B	
Cl-	1.62	0.10	37.20	420.7	100.0	0	42	B	
Mg++	0.141	0.030	2.360	36.6	100.0	0	42	B	
NO3-	0.22	0.02	2.46	56.0	100.0	0	42	A	
pH	5.39	4.10	6.60	1048.1	100.0	0	42	B	
K+	0.07	0.00	0.69	17.0	100.0	4	42	B	
Precip	-	0.5	22.6	259.4	100.0	50	92		
Na+	1.02	0.25	20.01	265.9	100.0	0	42	A	
SO4-- corr	0.36	-0.03	3.30	94.3	100.0	1	42	A	
SO4--	0.45	0.00	3.35	116.5	100.0	1	42	A	

IE0004R RIDGE OF CAPARD IRELAND

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.40	0.07	2.13	127.9	100.0	0	47	A	
Ca++	0.18	0.10	1.90	58.5	100.0	0	47	B	
Cl-	0.55	0.00	11.10	174.2	100.0	1	47	B	
Mg++	0.064	0.000	0.830	20.3	100.0	1	47	B	
NO3-	0.15	0.02	0.73	47.1	100.0	0	47	A	
pH	5.06	4.30	6.60	2787.2	100.0	0	47	B	
K+	0.02	0.00	0.28	6.9	100.0	5	47	B	
Precip	-	0.5	24.7	317.2	100.0	45	92		
Na+	0.53	0.08	6.24	167.6	100.0	0	47	A	
SO4-- corr	0.33	0.05	2.59	105.2	100.0	0	47	A	
SO4--	0.37	0.07	2.90	117.5	100.0	0	47	A	

IE0004R RIDGE OF CAPARD IRELAND

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.49	0.03	12.62	216.7	100.0	0	54	A	
Ca++	0.24	0.00	3.30	106.8	100.0	1	54	B	
Cl-	3.74	0.10	39.10	1646.4	100.0	0	54	B	
Mg++	0.282	0.020	2.480	123.8	100.0	0	54	B	
NO3-	0.22	0.00	4.01	97.6	100.0	1	54	A	
pH	4.98	3.80	6.90	4588.0	100.0	0	54	B	
K+	0.09	0.00	0.82	39.8	100.0	2	54	B	
Precip	-	0.6	34.3	439.7	100.0	37	91		
Na+	2.13	0.07	20.82	938.2	100.0	0	54	A	
SO4-- corr	0.36	0.04	8.36	156.6	100.0	0	54	A	
SO4--	0.53	0.05	8.61	234.4	100.0	0	54	A	

IS0002R IRAFOSS ICELAND

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
pH	5.48	5.13	8.50	1353.4	100.0	0	48	A	
Precip	-	0.0	68.4	409.1	100.0	42	90		
Na+	7.10	0.30	74.00	2905.4	100.0	0	48	A	
SO4-- corr	-0.21	-4.79	0.41	-87.5	100.0	29	48	A	
SO4--	0.36	0.03	1.70	146.8	100.0	0	48	A	

IS0002R IRAFOSS ICELAND

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
pH	6.28	5.90	7.80	148.6	100.0	0	35	A	
Precip	-	0.0	64.5	286.3	100.0	57	92		
Na+	6.57	1.20	35.60	1879.7	100.0	0	35	A	
SO4-- corr	-0.26	-1.34	12.89	-74.2	100.0	28	35	A	
SO4--	0.29	0.03	15.00	83.2	100.0	0	35	A	

IS0002R IRAFOSS ICELAND

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
pH	5.81	5.50	7.30	778.7	100.0	0	37	A	
Precip	-	0.0	74.8	499.1	100.0	55	92		
Na+	0.38	0.10	5.40	190.6	100.0	0	37	A	
SO4-- corr	0.02	-0.28	0.32	10.7	100.0	14	37	A	
SO4--	0.05	0.02	0.53	26.7	100.0	0	37	A	

IS0002R IRAFOSS ICELAND

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
pH	5.83	5.40	7.70	687.5	100.0	0	38	A	
Precip	-	0.0	103.1	461.7	100.0	53	91		
Na+	2.13	0.60	110.70	985.1	100.0	0	38	A	
SO4-- corr	-0.08	-6.66	0.07	-36.4	100.0	33	38	A	
SO4--	0.10	0.03	2.61	46.0	100.0	0	38	A	

IT0001R MONTELIBRETTI ITALY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.33	0.20	0.92	118.6	100.0	0	9	B	
Ca++	0.95	0.37	1.83	340.0	100.0	0	9	D	
Cl-	2.34	0.20	5.98	833.5	100.0	0	9	B	
Mg++	0.205	0.030	0.490	73.3	100.0	0	9	A	
NO3-	0.34	0.14	0.50	123.3	100.0	0	9	A	
pH	4.50	3.95	5.41	11182.3	100.0	0	9	D	
K+	0.21	0.05	0.39	73.5	100.0	0	9	B	
Precip	-	0.0	60.8	356.9	100.0	81	90		
Na+	1.29	0.10	3.63	460.9	100.0	0	9	A	
SO4-- corr	0.42	0.18	0.74	150.2	100.0	0	9	A	
SO4--	0.54	0.20	0.83	193.0	100.0	0	9	A	

IT0001R MONTELIBRETTI ITALY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.33	0.01	2.78	92.8	100.0	0	9	B	
Ca++	2.54	0.44	6.94	712.0	100.0	0	9	D	
Cl-	2.94	0.37	7.94	823.6	100.0	0	9	B	
Mg++	0.292	0.040	0.830	81.9	100.0	0	9	A	
NO3-	0.45	0.04	1.90	125.8	100.0	0	9	A	
pH	4.22	3.69	5.70	16739.8	100.0	0	9	D	
K+	0.36	0.12	3.83	100.4	100.0	0	9	B	
Precip	-	0.0	65.4	280.2	100.0	83	92		
Na+	1.54	0.19	3.82	432.1	100.0	0	9	A	
SO4-- corr	0.77	0.26	2.03	214.5	100.0	0	9	A	
SO4--	0.89	0.28	2.29	250.7	100.0	0	9	A	

IT0001R MONTELIBRETTI ITALY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.59	0.28	1.50	43.5	100.0	0	5	B	
Ca++	4.70	1.49	12.06	345.0	100.0	0	5	D	
Cl-	7.71	1.08	12.47	566.0	100.0	0	5	B	
Mg++	0.826	0.150	1.220	60.7	100.0	0	5	A	
NO3-	1.15	0.74	2.84	84.4	100.0	0	5	A	
pH	5.20	4.73	6.30	458.9	100.0	0	5	D	
K+	1.14	0.16	2.02	83.6	100.0	0	5	B	
Precip	-	0.0	40.0	73.4	100.0	87	92		
Na+	4.58	0.70	7.23	336.6	100.0	0	5	A	
SO4-- corr	1.66	0.93	3.62	122.1	100.0	0	5	A	
SO4--	2.05	0.99	3.76	150.2	100.0	0	5	A	

IT0001R MONTELIBRETTI ITALY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.26	0.00	3.72	77.7	100.0	1	9	B	
Ca++	1.10	0.56	7.84	330.0	100.0	0	9	D	
Cl-	1.73	0.58	35.93	519.4	100.0	0	9	B	
Mg++	0.176	0.080	2.410	53.0	100.0	0	9	A	
NO3-	0.39	0.16	4.90	116.9	100.0	0	9	A	
pH	4.08	3.62	5.75	25113.6	100.0	0	9	D	
K+	0.15	0.09	1.45	43.8	100.0	0	9	B	
Precip	-	0.0	85.4	300.9	100.0	82	91		
Na+	1.00	0.35	19.82	300.4	100.0	0	9	A	
SO4-- corr	0.48	0.21	4.72	145.6	100.0	0	9	A	
SO4--	0.57	0.26	6.38	170.7	100.0	0	9	A	

IT0004R ISPRA ITALY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.54	0.07	4.98	132.1	100.0	0	18	A	
Ca++	0.18	0.02	2.43	43.9	100.0	0	18	A	
Cl-	0.23	0.04	2.71	56.4	100.0	0	18	A	
Mg++	0.024	0.003	0.297	6.0	100.0	0	18	A	
NO3-	0.62	0.09	4.72	152.4	100.0	0	18	A	
pH	4.59	3.63	5.39	6291.4	100.0	0	18	A	
K+	0.06	0.02	0.81	16.0	100.0	0	18	A	
Precip	-	0.0	56.6	247.1	100.0	72	90		
Na+	0.11	0.01	1.71	26.9	100.0	0	18	A	
SO4-- corr	0.49	0.09	4.13	119.9	100.0	0	18	A	
SO4--	0.50	0.09	4.18	122.3	100.0	0	18	A	

IT0004R ISPRA ITALY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.85	0.27	4.23	498.7	100.0	0	29	A	
Ca++	0.36	0.05	5.20	212.4	100.0	0	29	A	
Cl-	0.48	0.08	5.24	285.0	100.0	0	29	A	
Mg++	0.065	0.017	0.510	38.3	100.0	0	29	A	
NO3-	0.66	0.22	3.58	388.6	100.0	0	29	A	
pH	4.58	3.72	6.64	15421.7	100.0	0	29	A	
K+	0.08	0.04	0.52	47.2	100.0	0	29	A	
Precip	-	0.0	135.5	588.5	100.0	63	92		
Na+	0.28	0.03	2.95	167.0	100.0	0	29	A	
SO4-- corr	0.78	0.24	3.70	461.5	100.0	0	29	A	
SO4--	0.81	0.27	3.77	479.0	100.0	0	29	A	

IT0004R ISPRA ITALY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.07	0.20	4.66	451.0	57.2	0	16	A	
bicarbonate	2.71	1.07	4.27	1143.8	44.3	0	6		
Ca++	0.58	0.17	2.64	247.1	57.2	0	16	A	
Cl-	0.20	0.10	1.01	85.7	57.2	0	16	A	
Mg++	0.058	0.010	0.283	24.6	57.2	0	16	A	
NO3-	0.62	0.10	3.55	260.9	57.2	0	16	A	
pH	5.23	4.59	6.23	2468.6	57.2	0	16	A	
K+	0.09	0.04	0.33	38.5	57.2	0	16	A	
Precip	-	0.0	69.4	422.6	100.0	67	92		
Na+	0.12	0.02	0.56	48.9	57.2	0	16	A	
SO4-- corr	0.80	0.11	3.77	338.6	57.2	0	16	A	
SO4--	0.81	0.11	3.82	343.6	57.2	0	16	A	

IT0004R ISPRA ITALY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.97	0.24	4.92	452.0	54.9	0	8	A	
bicarbonate	1.00	0.90	2.60	464.4	7.2	0	2		
Ca++	0.26	0.03	4.49	121.9	54.9	0	8	A	
Cl-	0.18	0.10	1.97	85.2	54.9	0	8	A	
Mg++	0.025	0.003	0.676	11.7	54.9	0	8	A	
NO3-	0.62	0.41	4.96	289.7	54.9	0	8	A	
pH	4.76	4.04	6.24	8051.7	54.9	0	8	A	
K+	0.05	0.02	0.42	25.8	54.9	0	8	A	
Precip	-	0.0	126.9	465.9	100.0	71	91		
Na+	0.08	0.05	1.15	37.7	54.9	0	8	A	
SO4-- corr	0.85	0.46	4.29	397.6	54.9	0	8	A	
SO4--	0.86	0.46	4.39	401.1	54.9	0	8	A	

LT0015R PREILA LITHUANIA

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.59	0.11	2.73	47.9	100.0	0	9	A	W
Ca++	1.14	0.58	2.10	92.3	100.0	0	9	A	W
Cl-	10.58	0.74	42.80	855.8	100.0	0	9	B	W
NO3-	0.98	0.64	2.19	79.2	100.0	0	9	A	W
pH	4.94	4.57	6.26	931.7	100.0	0	9	A	W
K+	0.35	0.02	1.30	28.8	100.0	0	9	A	W
Precip	-	0.0	21.4	80.9	100.0	2	11		W
Na+	5.73	0.55	24.80	463.8	100.0	0	9	A	W
SO4-- corr	0.80	0.53	1.22	64.8	100.0	0	9	A	W
SO4--	1.28	0.58	3.30	103.6	100.0	0	9	A	W

LT0015R PREILA LITHUANIA

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.72	0.18	1.96	70.9	100.0	0	11	A	W
Ca++	1.05	0.70	3.00	103.5	100.0	0	11	A	W
Cl-	4.08	0.78	21.00	401.6	100.0	0	11	B	W
NO3-	0.68	0.19	4.15	67.1	100.0	0	11	A	W
pH	4.87	4.24	6.32	1334.6	100.0	0	11	A	W
K+	0.22	0.05	2.06	22.2	100.0	0	11	A	W
Precip	-	0.6	27.6	98.4	102.2	2	13		W
Na+	2.45	0.59	9.50	241.0	100.0	0	11	A	W
SO4-- corr	1.00	0.30	2.63	98.3	100.0	0	11	A	W
SO4--	1.20	0.43	3.43	118.5	100.0	0	11	A	W

LT0015R PREILA LITHUANIA

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.35	0.08	1.09	74.1	100.0	0	13	A	W
Ca++	0.99	0.70	3.70	210.5	100.0	0	13	A	W
Cl-	3.22	0.59	5.58	682.3	100.0	0	13	B	W
NO3-	0.40	0.17	2.91	84.6	100.0	0	13	A	W
pH	5.49	4.79	6.12	690.8	100.0	0	13	A	W
K+	0.25	0.05	0.55	53.6	100.0	0	13	A	W
Precip	-	2.1	69.4	212.2	98.9	0	13		W
Na+	1.68	0.30	2.90	357.6	100.0	0	13	A	W
SO4-- corr	0.59	0.25	3.80	124.3	100.0	0	13	A	W
SO4--	0.73	0.40	4.00	154.2	100.0	0	13	A	W

LT0015R PREILA LITHUANIA

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.19	0.03	0.54	36.5	100.0	0	7	A	W
Ca++	1.33	0.65	2.50	252.3	100.0	0	7	A	W
Cl-	5.88	1.24	15.13	1119.3	100.0	0	7	B	W
NO3-	0.36	0.20	0.86	68.9	100.0	0	7	A	W
pH	5.66	5.35	6.03	418.6	100.0	0	7	A	W
K+	0.16	0.05	0.48	31.0	100.0	0	7	A	W
Precip	-	10.3	47.1	190.4	100.0	6	13		W
Na+	3.66	0.88	9.80	697.6	100.0	0	7	A	W
SO4-- corr	0.40	0.18	0.91	75.4	100.0	0	7	A	W
SO4--	0.70	0.26	1.73	133.8	100.0	0	7	A	W

LV0010R RUCAVA LATVIA

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.35	0.01	1.01	66.1	99.7	3	34	A	
Ca++	0.30	0.04	1.18	56.3	97.6	0	32	B	
Cl-	1.09	0.30	3.01	207.8	63.4	0	22	A	
Mg++	0.138	0.020	0.960	26.3	97.6	0	32	B	
NO3-	0.38	0.08	1.36	72.0	99.7	0	34	B	
pH	4.60	4.05	5.42	4741.5	100.0	0	35	A	
K+	0.12	0.02	1.03	22.4	99.0	0	33	A	
Precip	-	0.0	13.0	190.6	98.9	54	89		
Na+	0.62	0.02	2.49	119.2	100.0	0	35	A	
SO4-- corr	0.38	0.01	1.13	72.9	100.0	0	35	C	
SO4--	0.44	0.03	1.15	83.8	100.0	0	35	C	

LV0010R RUCAVA LATVIA

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.51	0.05	2.43	60.6	100.0	0	30	A	
Ca++	0.31	0.10	1.78	36.3	99.4	0	29	B	
Cl-	0.75	0.17	5.72	88.6	100.0	0	30	A	
Mg++	0.092	0.020	0.400	10.8	99.4	0	29	B	
NO3-	0.30	0.13	1.12	34.9	100.0	0	30	B	
pH	4.46	3.90	6.30	4101.8	100.0	0	30	A	
K+	0.13	0.03	1.03	15.3	99.4	0	29	A	
Precip	-	0.0	27.1	117.9	100.0	62	92		
Na+	0.33	0.06	2.80	38.4	99.4	0	29	A	
SO4-- corr	0.46	0.09	1.57	53.6	100.0	0	30	C	
SO4--	0.50	0.14	1.60	58.5	100.0	0	30	C	

LV0010R RUCAVA LATVIA

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.26	0.01	1.14	72.9	93.9	0	39	A	
Ca++	0.12	0.01	0.77	34.4	88.6	0	37	B	
Cl-	0.51	0.07	2.80	144.4	100.0	0	41	A	
Mg++	0.045	0.010	0.140	12.6	82.6	0	38	B	
NO3-	0.21	0.01	0.60	58.2	71.8	0	34	B	
pH	4.20	3.38	6.52	17785.9	100.0	0	41	A	
K+	0.07	0.02	0.32	19.4	59.5	0	28	A	
Precip	-	0.0	26.6	281.4	100.0	51	92		
Na+	0.31	0.03	1.46	88.5	82.6	0	38	A	
SO4-- corr	0.20	0.07	0.62	55.8	100.0	0	41	C	
SO4--	0.22	0.09	0.63	62.1	100.0	0	41	C	

LV0010R RUCAVA LATVIA

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.26	0.01	0.85	74.1	100.0	0	37	A	
Ca++	0.35	0.03	2.96	101.3	99.4	0	36	B	
Cl-	1.09	0.06	10.26	314.4	100.0	0	37	A	
Mg++	0.094	0.010	0.480	27.0	97.0	0	35	B	
NO3-	0.32	0.04	1.00	91.5	100.0	0	37	B	
pH	4.66	4.05	5.52	6237.9	100.0	0	37	A	
K+	0.07	0.02	0.39	21.1	91.4	0	34	A	
Precip	-	0.0	23.1	287.9	100.0	54	91		
Na+	0.56	0.04	4.80	161.9	99.4	0	36	A	
SO4-- corr	0.37	-0.03	1.86	106.2	100.0	1	37	C	
SO4--	0.41	0.07	1.92	119.5	100.0	0	37	C	

LV0016R ZOSENI LATVIA

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.64	0.07	2.26	88.6	96.4	0	31	A	
Ca++	1.20	0.25	3.08	165.8	88.5	0	23	B	
Cl-	1.12	0.22	4.76	154.7	94.8	0	29	A	
Mg++	0.380	0.040	1.620	52.3	85.3	0	22	B	
NO3-	0.66	0.18	1.43	91.5	94.8	0	29	B	
pH	5.65	4.96	6.78	308.7	100.0	0	43	A	
K+	0.51	0.08	1.32	70.0	87.4	0	22	A	
Precip	-	0.0	23.1	137.7	65.6	16	59		
Na+	0.45	0.08	1.28	62.6	89.9	0	24	A	
SO4-- corr	0.74	0.13	1.82	101.9	94.8	0	29	C	
SO4--	0.81	0.16	1.92	111.9	94.8	0	29	C	

LV0016R ZOSENI LATVIA

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.50	0.09	3.19	93.2	97.0	0	36	A	
Ca++	1.29	0.30	5.25	239.9	91.2	0	30	B	
Cl-	0.79	0.06	3.50	146.9	97.1	0	36	A	
Mg++	0.401	0.100	1.460	74.4	91.2	0	30	B	
NO3-	0.50	0.27	1.40	92.5	97.1	0	36	B	
pH	5.57	4.86	6.44	496.4	100.0	0	44	A	
K+	0.30	0.05	1.81	55.0	91.3	0	30	A	
Precip	-	0.0	44.3	185.8	100.0	48	92		
Na+	0.31	0.05	4.04	56.9	91.8	0	31	A	
SO4-- corr	0.67	0.25	1.94	123.6	97.1	0	36	C	
SO4--	0.70	0.30	2.20	129.9	97.1	0	36	C	

LV0016R ZOSENI LATVIA

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.18	0.01	0.89	67.7	97.9	0	55	A	
Ca++	0.56	0.10	1.87	210.6	97.2	0	49	B	
Cl-	0.38	0.10	2.50	141.9	90.7	0	52	A	
Mg++	0.222	0.040	0.810	82.8	96.1	0	46	B	
NO3-	0.28	0.12	0.72	103.7	99.7	0	54	B	
pH	5.29	3.96	6.52	1918.1	100.0	0	57	A	
K+	0.12	0.02	3.61	45.0	65.8	0	40	A	
Precip	-	0.0	28.7	372.6	100.0	35	92		
Na+	0.13	0.02	2.64	47.3	82.8	0	47	A	
SO4-- corr	0.37	0.06	0.93	139.4	98.4	0	53	C	
SO4--	0.41	0.16	0.94	152.1	99.7	0	54	C	

LV0016R ZOSENI LATVIA

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.25	0.04	1.47	42.1	98.4	0	38	A	
Ca++	0.69	0.13	3.30	115.4	91.1	0	28	B	
Cl-	0.70	0.13	3.77	116.6	98.3	0	37	A	
Mg++	0.268	0.050	0.860	44.4	91.1	0	28	B	
NO3-	0.38	0.10	1.96	63.4	98.3	0	37	B	
pH	5.38	4.90	6.58	692.9	99.8	0	42	A	
K+	0.13	0.01	1.49	21.1	89.4	0	29	A	
Precip	-	0.0	21.0	165.9	100.0	47	91		
Na+	0.24	0.04	1.61	40.0	93.1	0	30	A	
SO4-- corr	0.42	-0.14	2.21	70.3	98.3	2	37	C	
SO4--	0.46	0.12	2.23	75.6	98.3	0	37	C	

NL0009R KOLLUMERWAARD NETHERLANDS

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	-6.	-341.	52.	-494.	98.8	10	24	-	
NH4+	0.86	0.00	2.96	67.1	96.8	1	21	A	
Ca++	0.49	0.14	1.96	38.4	91.7	0	17	A	
Cl-	5.56	0.81	31.52	431.5	98.4	0	23	A	
Mg++	0.356	0.109	2.130	27.6	91.7	0	17	B	
NO3-	0.52	0.18	1.52	40.0	98.4	0	23	A	
pH	5.39	4.60	7.17	314.7	98.8	0	24	A	
K+	0.31	0.05	1.50	23.8	91.7	0	17	B	
Precip	-	0.0	12.7	77.6	84.4	46	76		
Na+	2.85	0.49	17.61	221.6	91.7	0	17	A	
SO4-- corr	0.84	-0.14	1.93	65.3	98.4	3	23	A	
SO4--	1.11	0.29	2.43	85.8	98.4	0	23	A	

NL0009R KOLLUMERWAARD NETHERLANDS

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	-8.	-35.	108.	-989.	99.5	15	29	-	
NH4+	1.38	0.15	2.96	178.5	96.0	0	22	A	
Ca++	0.19	0.06	0.54	24.6	95.3	0	21	A	
Cl-	1.62	0.28	17.02	209.3	99.5	0	29	A	
Mg++	0.111	0.018	0.683	14.4	95.3	1	21	B	
NO3-	0.73	0.22	2.30	94.4	99.5	0	29	A	
pH	5.21	4.10	6.52	799.1	99.5	0	29	A	
K+	0.10	0.04	0.63	13.3	95.3	0	21	B	
Precip	-	0.0	21.8	129.6	100.0	58	92		
Na+	0.85	0.17	5.60	109.9	95.3	0	21	A	
SO4-- corr	0.70	-0.28	2.72	91.4	99.5	1	29	A	
SO4--	0.78	0.12	2.75	101.6	99.5	0	29	A	

NL0009R KOLLUMERWAARD NETHERLANDS

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	9.	-424.	86.	2653.	99.8	30	52	-	
NH4+	0.81	0.11	2.42	236.8	98.4	0	44	A	
Ca++	0.23	0.06	1.28	68.8	97.0	0	40	A	
Cl-	2.34	0.16	37.99	686.5	99.3	0	48	A	
Mg++	0.163	0.018	2.562	47.7	97.0	5	40	B	
NO3-	0.55	0.09	1.58	159.6	99.3	0	48	A	
pH	4.88	4.13	8.52	3845.8	99.8	0	52	A	
K+	0.22	0.02	11.18	64.9	97.0	6	40	B	
Precip	-	0.0	44.1	293.1	100.0	37	92		
Na+	1.34	0.10	21.40	393.0	97.0	0	40	A	
SO4-- corr	0.63	0.10	2.63	185.9	99.3	0	48	A	
SO4--	0.75	0.12	2.98	218.9	99.3	0	48	A	

NL0009R KOLLUMERWAARD NETHERLANDS

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
H+	3.	-82.	114.	867.	99.5	24	42	-	
NH4+	0.53	0.01	2.33	142.4	98.5	0	37	A	
Ca++	0.31	0.07	1.27	82.6	97.0	0	33	A	
Cl-	6.18	0.18	45.26	1647.2	99.0	0	39	A	
Mg++	0.430	0.018	3.036	114.6	97.0	3	33	B	
NO3-	0.33	0.06	2.06	88.4	99.0	0	39	A	
pH	5.18	3.99	6.77	1750.9	99.5	0	42	A	
K+	0.24	0.02	3.61	65.1	97.0	1	33	B	
Precip	-	0.0	21.9	266.6	100.0	38	91		
Na+	3.53	0.11	26.91	941.3	97.0	0	33	A	
SO4-- corr	0.47	0.13	1.37	125.8	99.0	0	39	A	
SO4--	0.77	0.33	2.68	204.2	99.0	0	39	A	

NO0001R BIRKENES NORWAY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.42	0.00	1.50	140.9	97.5	1	36	A	
Ca++	0.07	0.00	0.57	24.7	97.5	2	36	A	
Cl-	2.12	0.10	21.69	718.4	97.5	0	36	A	
Mg++	0.140	0.005	1.479	47.3	97.5	1	36	A	
NO3-	0.58	0.00	1.88	197.6	97.5	1	36	B	
pH	4.81	4.07	5.49	5237.9	99.3	0	47	A	
K+	0.09	0.00	0.61	32.0	97.5	1	36	A	
Precip	-	0.0	34.4	338.2	100.0	35	90		
Na+	1.22	0.05	12.84	412.2	97.5	0	36	A	
SO4-- corr	0.53	0.06	1.80	178.1	97.5	0	36	A	
SO4--	0.62	0.06	2.10	211.4	97.5	0	36	A	

NO0001R BIRKENES NORWAY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.58	0.00	7.34	232.1	96.3	1	33	A	
Ca++	0.09	0.00	1.09	37.3	96.3	1	33	A	
Cl-	1.48	0.21	20.86	588.3	96.3	0	33	A	
Mg++	0.099	0.005	1.560	39.4	96.3	4	33	A	
NO3-	0.56	0.05	6.15	221.1	96.3	0	33	B	
pH	4.53	3.77	5.40	11753.2	98.0	0	44	A	
K+	0.07	0.02	0.60	29.3	96.3	0	33	A	
Precip	-	0.0	38.7	398.1	100.0	35	92		
Na+	0.79	0.08	12.96	313.8	96.3	0	33	A	
SO4-- corr	0.64	0.04	4.97	256.9	96.3	0	33	A	
SO4--	0.71	0.08	5.13	283.0	96.3	0	33	A	

NO0001R BIRKENES NORWAY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.32	0.00	1.52	138.2	98.8	2	41	A	
Ca++	0.06	0.00	0.91	24.5	98.8	4	41	A	
Cl-	0.80	0.03	6.57	342.2	98.8	0	41	A	
Mg++	0.052	0.005	0.418	22.3	98.8	9	41	A	
NO3-	0.34	0.00	1.94	144.6	98.8	3	41	B	
pH	4.55	4.01	5.63	11986.3	99.2	0	44	A	
K+	0.05	0.00	0.27	19.8	98.8	4	41	A	
Precip	-	0.0	37.9	426.4	100.0	28	92		
Na+	0.43	0.01	3.39	182.7	98.8	0	41	A	
SO4-- corr	0.44	0.01	1.35	188.3	98.8	0	41	A	
SO4--	0.48	0.02	1.41	203.4	98.8	0	41	A	

NO0001R BIRKENES NORWAY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.37	0.00	3.17	187.3	98.3	1	46	A	
Ca++	0.15	0.00	1.34	76.2	81.8	3	38	A	
Cl-	1.88	0.16	18.95	950.8	98.3	0	46	A	
Mg++	0.136	0.012	1.292	68.6	98.3	0	46	A	
NO3-	0.46	0.03	4.23	230.8	98.3	0	46	B	
pH	4.44	3.58	6.26	18221.8	82.6	0	45	A	
K+	0.09	0.03	0.65	47.2	97.6	0	45	A	
Precip	-	0.0	50.0	506.3	100.0	16	91		
Na+	1.05	0.10	13.19	530.6	98.3	0	46	A	
SO4-- corr	0.56	0.03	3.70	283.8	98.3	0	46	A	
SO4--	0.64	0.05	3.72	326.2	98.3	0	46	A	

NO0008R SKREAADALEN NORWAY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.26	0.05	1.00	170.0	97.1	0	58	A	
Ca++	0.17	0.02	1.53	110.3	99.4	0	61	A	
Cl-	2.60	0.16	14.77	1690.1	99.4	0	61	A	
Mg++	0.166	0.005	0.961	108.3	99.4	0	61	A	
NO3-	0.25	0.02	1.62	163.4	99.4	0	61	B	
pH	5.04	4.36	6.27	5884.2	99.2	0	63	A	
K+	0.25	0.02	2.01	165.7	98.9	0	60	A	
Precip	-	0.0	54.1	651.2	100.0	20	90		
Na+	1.48	0.10	8.00	965.9	99.4	0	61	A	
SO4-- corr	0.25	-0.01	1.59	161.8	99.4	1	61	A	
SO4--	0.37	0.03	1.70	239.9	99.4	0	61	A	

NO0008R SKREAADALEN NORWAY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.64	0.05	4.34	165.1	97.7	0	37	A	
Ca++	0.20	0.00	1.05	52.7	97.7	2	37	A	
Cl-	2.40	0.16	22.92	618.3	97.2	0	37	A	
Mg++	0.155	0.005	1.413	39.9	97.7	2	37	A	
NO3-	0.53	0.06	3.76	135.4	98.1	0	38	B	
pH	4.60	3.91	5.95	6454.7	98.9	0	42	A	
K+	0.21	0.04	1.59	54.7	98.1	0	38	A	
Precip	-	0.0	33.9	257.5	100.0	43	92		
Na+	1.24	0.12	11.93	319.3	97.2	0	37	A	
SO4-- corr	0.66	0.03	3.35	170.7	98.1	0	38	A	
SO4--	0.77	0.08	3.41	197.3	98.1	0	38	A	

NO0008R SKREAADALEN NORWAY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.35	0.04	3.75	159.9	88.4	0	44	A	
Ca++	0.15	0.03	1.05	68.4	88.3	0	47	A	
Cl-	0.87	0.19	6.81	397.8	98.8	0	50	A	
Mg++	0.074	0.005	0.414	33.9	98.8	1	50	A	
NO3-	0.25	0.05	2.68	112.1	98.8	0	50	B	
pH	4.87	4.27	6.93	6156.9	79.5	0	48	A	
K+	0.18	0.06	1.01	82.0	91.1	0	45	A	
Precip	-	0.0	35.3	455.0	100.0	29	92		
Na+	0.55	0.14	4.02	247.9	98.8	0	50	A	
SO4-- corr	0.38	-0.07	3.08	175.4	98.8	1	50	A	
SO4--	0.43	0.04	3.21	196.2	98.8	0	50	A	

NO0008R SKREAADALEN NORWAY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.19	0.02	2.30	103.0	99.3	0	43	A	
Ca++	0.17	0.03	2.28	90.2	99.3	0	43	A	
Cl-	2.07	0.15	5.64	1134.2	99.3	0	43	A	
Mg++	0.119	0.005	0.323	65.0	99.3	2	43	A	
NO3-	0.20	0.02	2.89	108.0	99.3	0	43	B	
pH	4.85	3.36	6.43	7739.5	99.9	0	48	A	
K+	0.16	0.04	0.79	88.1	95.9	0	41	A	
Precip	-	0.0	40.3	547.2	100.0	39	91		
Na+	1.15	0.07	3.10	627.1	99.3	0	43	A	
SO4-- corr	0.22	-0.02	2.25	119.2	99.3	2	43	A	
SO4--	0.31	0.04	2.30	168.5	99.3	0	43	A	

NO0015R TUSTERVATN NORWAY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.14	0.05	1.53	70.2	68.6	0	35	A	
Ca++	0.10	0.03	0.47	49.5	68.6	0	35	A	
Cl-	2.88	0.11	17.10	1438.4	68.6	0	35	A	
Mg++	0.198	0.005	1.095	98.7	68.6	1	35	A	
NO3-	0.05	0.01	0.49	26.9	68.6	0	35	B	
pH	5.41	4.92	5.98	1938.8	69.5	0	41	A	
K+	0.12	0.02	0.75	57.4	68.6	0	35	A	
Precip	-	0.0	54.5	350.3	84.4	25	76		
Na+	1.60	0.07	9.21	800.5	68.6	0	35	A	
SO4-- corr	0.06	0.00	0.73	29.7	68.6	1	35	A	
SO4--	0.19	0.02	1.23	96.1	68.6	0	35	A	

NO0015R TUSTERVATN NORWAY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.28	0.04	2.21	57.1	83.5	0	33	A	
Ca++	0.16	0.03	0.51	32.5	83.5	0	33	A	
Cl-	3.96	0.11	17.50	809.1	83.5	0	33	A	
Mg++	0.268	0.005	1.174	54.7	83.5	2	33	A	
NO3-	0.14	0.02	1.63	28.0	83.5	0	33	B	
pH	5.23	3.94	6.41	1204.4	87.6	0	42	A	
K+	0.17	0.02	1.42	34.7	83.5	0	33	A	
Precip	-	0.0	26.4	182.8	96.7	34	89		
Na+	2.11	0.07	9.35	430.5	83.5	0	33	A	
SO4-- corr	0.17	0.02	2.02	34.1	83.5	0	33	A	
SO4--	0.34	0.04	2.04	69.4	83.5	0	33	A	

NO0015R TUSTERVATN NORWAY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.15	0.01	0.72	41.3	87.5	0	36	A	
Ca++	0.07	0.03	0.38	20.0	78.8	0	34	A	
Cl-	0.17	0.03	1.51	45.5	87.5	0	36	A	
Mg++	0.019	0.005	0.113	5.2	87.5	12	36	A	
NO3-	0.06	0.02	0.53	17.3	87.5	0	36	B	
pH	5.41	4.73	7.00	1045.8	86.2	0	46	A	
K+	0.07	0.02	0.31	19.5	87.5	0	36	A	
Precip	-	0.0	25.3	271.8	100.0	28	92		
Na+	0.10	0.02	0.78	26.6	87.5	0	36	A	
SO4-- corr	0.07	0.01	0.23	19.5	87.5	0	36	A	
SO4--	0.08	0.01	0.24	21.7	87.5	0	36	A	

NO0015R TUSTERVATN NORWAY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.11	0.02	0.60	28.5	97.7	0	32	A	
Ca++	0.05	0.00	0.15	12.1	95.1	1	29	A	
Cl-	0.76	0.04	5.39	193.3	97.7	0	32	A	
Mg++	0.049	0.005	0.321	12.5	97.7	6	32	A	
NO3-	0.06	0.00	0.97	16.7	97.7	2	32	B	
pH	5.35	4.11	6.46	1141.1	96.2	0	34	A	
K+	0.07	0.02	0.37	18.0	97.7	0	32	A	
Precip	-	0.0	38.0	255.5	100.0	39	91		
Na+	0.39	0.02	2.78	100.8	97.7	0	32	A	
SO4-- corr	0.05	-0.03	0.71	12.6	97.7	3	32	A	
SO4--	0.08	0.00	0.71	20.6	97.7	1	32	A	

NO0039R KAARVATN NORWAY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.07	0.02	0.42	22.9	99.2	0	41	A	
Ca++	0.09	0.00	0.56	30.6	99.2	1	41	A	
Cl-	3.24	0.05	20.25	1060.1	99.2	0	41	A	
Mg++	0.207	0.005	1.315	67.6	99.2	2	41	A	
NO3-	0.05	0.01	0.51	17.2	99.2	0	41	B	
pH	5.36	4.36	5.92	1421.0	99.9	0	44	A	
K+	0.09	0.00	0.47	28.6	99.2	2	41	A	
Precip	-	0.0	16.8	326.9	100.0	44	90		
Na+	1.78	0.02	11.53	583.3	99.2	0	41	A	
SO4-- corr	0.04	0.00	0.31	12.2	99.2	1	41	A	
SO4--	0.18	0.00	1.17	59.2	99.2	1	41	A	

NO0039R KAARVATN NORWAY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.14	0.03	0.74	50.6	99.1	0	35	A	
Ca++	0.15	0.03	0.37	53.7	99.1	0	35	A	
Cl-	5.59	0.07	16.22	1949.2	99.1	0	35	A	
Mg++	0.384	0.005	1.125	133.8	99.1	2	35	A	
NO3-	0.08	0.02	0.77	26.1	99.1	0	35	B	
pH	5.21	4.38	5.84	2159.4	100.0	0	40	A	
K+	0.12	0.01	0.33	43.3	99.1	0	35	A	
Precip	-	0.0	40.8	348.4	100.0	52	92		
Na+	2.99	0.05	8.80	1040.3	99.1	0	35	A	
SO4-- corr	0.15	0.04	1.10	53.6	99.1	0	35	A	
SO4--	0.40	0.05	1.15	140.7	99.1	0	35	A	

NO0039R KAARVATN NORWAY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.14	0.00	0.56	61.9	99.3	7	48	A	
Ca++	0.03	0.00	0.21	14.4	73.9	7	38	A	
Cl-	0.38	0.05	1.58	169.0	99.3	0	48	A	
Mg++	0.044	0.005	0.161	19.5	99.3	16	48	A	
NO3-	0.07	0.00	0.34	29.6	99.3	4	48	B	
pH	5.07	4.67	5.76	3796.3	74.7	0	44	A	
K+	0.04	0.00	0.16	17.2	92.3	5	45	A	
Precip	-	0.0	29.1	447.2	100.0	38	92		
Na+	0.20	0.02	0.96	89.1	99.3	0	48	A	
SO4-- corr	0.09	0.00	0.68	41.0	99.3	1	48	A	
SO4--	0.11	0.03	0.69	48.5	99.3	0	48	A	

NO0039R KAARVATN NORWAY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.08	0.00	0.25	16.6	99.0	1	26	A	
Ca++	0.05	0.00	0.26	11.3	97.8	6	25	A	
Cl-	0.89	0.03	2.58	191.4	99.0	0	26	A	
Mg++	0.061	0.005	0.170	13.0	99.0	5	26	A	
NO3-	0.06	0.00	0.24	12.6	99.0	4	26	B	
pH	5.16	4.33	5.49	1479.1	98.8	0	29	A	
K+	0.03	0.00	0.14	7.2	99.0	4	26	A	
Precip	-	0.0	25.2	214.5	100.0	61	91		
Na+	0.49	0.02	1.43	105.5	99.0	0	26	A	
SO4-- corr	0.07	0.00	0.24	14.6	99.0	0	26	A	
SO4--	0.11	0.02	0.25	23.4	99.0	0	26	A	

NO0041R OSEN NORWAY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.15	0.07	0.25	20.0	95.2	0	24	A	
Ca++	0.04	0.00	0.16	5.0	95.2	1	24	A	
Cl-	0.29	0.03	0.95	37.9	95.2	0	24	A	
Mg++	0.013	0.005	0.067	1.7	95.2	6	24	A	
NO3-	0.32	0.08	0.65	41.3	95.2	0	24	B	
pH	4.99	4.40	6.04	1340.6	100.0	0	29	A	
K+	0.09	0.00	0.35	11.0	95.2	0	24	A	
Precip	-	0.0	10.9	129.9	100.0	61	90		
Na+	0.15	0.00	0.50	19.0	95.2	0	24	A	
SO4-- corr	0.19	0.03	0.40	24.9	95.2	0	24	A	
SO4--	0.20	0.03	0.41	26.1	95.2	0	24	A	

NO0041R OSEN NORWAY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.46	0.02	1.89	68.7	98.6	0	17	A	
Ca++	0.13	0.04	1.26	19.7	98.6	0	17	A	
Cl-	0.20	0.05	0.72	30.4	98.6	0	17	A	
Mg++	0.025	0.005	0.157	3.7	98.6	3	17	A	
NO3-	0.44	0.11	1.32	65.3	98.6	0	17	B	
pH	4.53	4.01	5.55	4344.3	99.8	0	20	A	
K+	0.11	0.02	1.67	16.2	98.6	0	17	A	
Precip	-	0.0	29.9	148.4	100.0	71	92		
Na+	0.10	0.03	0.63	15.0	98.6	0	17	A	
SO4-- corr	0.63	0.04	2.85	93.9	98.6	0	17	A	
SO4--	0.64	0.04	2.90	95.6	98.6	0	17	A	

NO0041R OSEN NORWAY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.17	0.00	4.16	41.5	92.5	1	35	A	
Ca++	0.11	0.00	0.65	26.6	90.8	1	35	A	
Cl-	0.12	0.02	0.90	29.2	99.6	0	38	A	
Mg++	0.028	0.005	0.366	6.7	99.6	15	38	A	
NO3-	0.13	0.00	2.93	31.7	99.6	4	38	B	
pH	5.03	4.17	7.90	2216.0	89.3	0	35	A	
K+	0.09	0.01	0.91	21.6	95.0	0	33	A	
Precip	-	0.0	23.6	240.1	100.0	52	92		
Na+	0.08	0.01	0.51	18.8	99.6	0	38	A	
SO4-- corr	0.20	0.02	3.28	47.7	99.6	0	38	A	
SO4--	0.20	0.02	3.35	49.3	99.6	0	38	A	

NO0041R OSEN NORWAY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.16	0.00	1.82	30.4	99.0	3	28	A	
Ca++	0.04	0.00	0.45	8.1	96.2	3	27	A	
Cl-	0.20	0.05	1.76	38.7	99.0	0	28	A	
Mg++	0.012	0.005	0.126	2.3	96.2	13	27	A	
NO3-	0.17	0.05	1.17	32.8	99.0	0	28	B	
pH	4.82	4.01	6.55	2895.9	100.0	0	31	A	
K+	0.07	0.00	0.32	13.6	96.2	1	27	A	
Precip	-	0.0	22.9	191.2	100.0	60	91		
Na+	0.09	0.02	0.94	16.8	99.0	0	28	A	
SO4-- corr	0.22	0.02	1.10	42.1	99.0	0	28	A	
SO4--	0.23	0.02	1.13	43.7	99.0	0	28	A	

NO0055R KARASJOK NORWAY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.17	0.05	0.50	13.5	78.5	0	22	A	
Ca++	0.06	0.02	0.17	5.1	80.0	0	23	A	
Cl-	0.64	0.10	5.98	51.2	80.0	0	23	A	
Mg++	0.037	0.005	0.382	3.0	80.0	3	23	A	
NO3-	0.14	0.04	0.46	11.1	80.0	0	23	B	
pH	5.16	4.56	6.69	553.9	91.6	0	37	A	
K+	0.14	0.05	0.32	11.0	80.0	0	23	A	
Precip	-	0.0	10.4	79.9	100.0	31	90		
Na+	0.35	0.06	3.33	27.7	80.0	0	23	A	
SO4-- corr	0.09	0.03	0.25	7.5	80.0	0	23	A	
SO4--	0.12	0.03	0.47	9.7	80.0	0	23	A	

NO0055R KARASJOK NORWAY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.31	0.06	1.23	14.1	88.2	0	15	A	
Ca++	0.26	0.13	0.64	11.8	88.2	0	15	A	
Cl-	1.31	0.40	4.41	59.3	88.2	0	15	A	
Mg++	0.089	0.028	0.307	4.0	88.2	0	15	A	
NO3-	0.28	0.10	0.93	12.9	88.2	0	15	B	
pH	4.66	4.32	5.52	987.8	95.3	0	21	A	
K+	0.28	0.04	0.65	12.8	88.2	0	15	A	
Precip	-	0.0	5.5	45.1	100.0	60	92		
Na+	0.75	0.17	2.34	33.7	88.2	0	15	A	
SO4-- corr	0.71	0.25	1.49	31.9	88.2	0	15	A	
SO4--	0.77	0.29	1.54	34.7	88.2	0	15	A	

NO0055R KARASJOK NORWAY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.14	0.01	1.39	20.0	85.1	0	21	A	
Ca++	0.05	0.00	0.25	7.4	83.7	3	20	A	
Cl-	0.21	0.00	1.28	30.9	88.5	1	22	A	
Mg++	0.018	0.005	0.273	2.6	88.5	9	22	A	
NO3-	0.10	0.03	0.29	14.3	88.5	0	22	B	
pH	4.66	3.99	6.63	3144.6	91.6	0	29	A	
K+	0.12	0.00	0.68	17.8	87.1	1	21	A	
Precip	-	0.0	19.7	145.2	100.0	52	92		
Na+	0.15	0.02	0.90	22.2	88.5	0	22	A	
SO4-- corr	0.46	0.08	2.31	66.2	88.5	0	22	A	
SO4--	0.47	0.08	2.37	68.1	88.5	0	22	A	

NO0055R KARASJOK NORWAY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.12	0.02	0.46	11.1	86.6	0	22	A	
Ca++	0.07	0.02	0.40	6.6	76.7	0	19	A	
Cl-	0.43	0.04	1.72	40.6	86.6	0	22	A	
Mg++	0.028	0.005	0.088	2.7	86.6	2	22	A	
NO3-	0.11	0.02	0.31	10.7	86.6	0	22	B	
pH	5.01	4.48	7.84	923.3	83.7	0	32	A	
K+	0.15	0.03	0.74	14.0	85.3	0	21	A	
Precip	-	0.0	15.3	94.3	100.0	37	91		
Na+	0.25	0.02	1.07	23.6	86.6	0	22	A	
SO4-- corr	0.19	0.00	0.61	18.0	86.6	0	22	A	
SO4--	0.21	0.03	0.63	20.0	86.6	0	22	A	

PL0002R JARCZEW POLAND

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.82	0.19	12.99	77.7	97.9	0	42	A	
Ca++	0.24	0.06	1.13	22.5	97.9	0	42	A	
Cl-	0.82	0.15	5.95	77.8	97.9	0	42	A	
Mg++	0.045	0.010	0.390	4.3	97.9	0	42	A	
NO3-	0.67	0.22	5.33	63.6	97.9	0	42	A	
pH	4.57	3.48	7.02	2523.8	97.9	0	42	A	
K+	0.17	0.04	0.66	15.6	97.9	0	42	A	
Precip	-	0.0	14.8	94.4	100.0	35	90		
Na+	0.28	0.06	2.32	26.1	97.9	0	42	A	
SO4-- corr	0.90	0.23	14.77	85.0	97.9	0	42	A	
SO4--	0.93	0.26	14.83	87.5	97.9	0	42	A	

PL0002R JARCZEW POLAND

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.84	0.19	9.65	138.8	99.9	0	37	A	
Ca++	0.26	0.09	4.94	42.8	99.9	0	37	A	
Cl-	0.46	0.09	7.60	75.7	99.9	0	37	A	
Mg++	0.036	0.010	0.740	5.9	99.9	0	37	A	
NO3-	0.53	0.12	5.50	87.0	99.9	0	37	A	
pH	4.62	4.07	6.82	3994.4	99.9	0	37	A	
K+	0.09	0.01	2.12	15.4	99.9	0	37	A	
Precip	-	0.0	16.9	165.3	100.0	54	92		
Na+	0.18	0.04	3.18	29.9	99.9	0	37	A	
SO4-- corr	0.92	0.35	10.10	151.5	99.9	0	37	A	
SO4--	0.94	0.36	10.22	154.8	99.9	0	37	A	

PL0002R JARCZEW POLAND

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.74	0.12	3.93	232.0	97.5	0	45	A	
Ca++	0.28	0.04	2.34	86.9	97.5	0	44	A	
Cl-	0.25	0.09	2.74	77.8	99.6	0	48	A	
Mg++	0.032	0.010	0.200	10.0	97.5	0	44	A	
NO3-	0.36	0.09	2.63	114.2	99.6	0	48	A	
pH	4.66	3.87	7.29	6876.7	99.6	0	48	A	
K+	0.08	0.02	0.83	24.1	97.5	0	44	A	
Precip	-	0.0	47.8	315.8	100.0	37	92		
Na+	0.09	0.03	0.97	30.1	97.5	0	44	A	
SO4-- corr	0.91	0.21	4.45	288.6	99.6	0	48	A	
SO4--	0.93	0.22	4.57	293.7	99.6	0	48	A	

PL0002R JARCZEW POLAND

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.40	0.04	2.76	57.6	98.7	0	37	A	
Ca++	0.19	0.03	1.68	28.3	98.7	0	37	A	
Cl-	0.47	0.08	4.62	67.6	98.7	0	37	A	
Mg++	0.038	0.010	0.420	5.5	98.7	0	37	A	
NO3-	0.39	0.04	3.54	57.3	98.7	0	37	A	
pH	4.59	3.81	6.53	3723.9	98.7	0	37	A	
K+	0.06	0.01	1.29	9.1	98.7	0	37	A	
Precip	-	0.0	18.6	145.4	100.0	43	91		
Na+	0.18	0.01	2.12	26.2	98.7	0	37	A	
SO4-- corr	0.54	0.07	3.79	78.9	98.7	0	37	A	
SO4--	0.56	0.08	3.97	81.7	98.7	0	37	A	

PL0003R SNIEZKA POLAND

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.56	0.04	7.35	191.0	98.0	0	62	A	
Ca++	0.30	0.02	4.68	102.3	98.0	0	62	A	
Cl-	1.07	0.02	13.78	364.7	98.0	0	62	A	
Mg++	0.083	0.010	0.880	28.3	98.0	0	62	A	
NO3-	0.70	0.01	10.27	238.0	98.0	0	62	A	
pH	4.62	3.13	5.96	8099.6	98.0	0	62	A	
K+	0.15	0.01	0.84	52.0	98.0	0	62	A	
Precip	-	0.0	38.0	341.8	100.0	26	90		
Na+	0.62	0.02	8.35	212.6	98.0	0	62	A	
SO4-- corr	1.21	0.05	6.20	414.1	98.0	0	62	A	
SO4--	1.26	0.05	6.81	431.6	98.0	0	62	A	

PL0003R SNIEZKA POLAND

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	1.26	0.06	9.08	272.2	99.6	0	53	A	
Ca++	0.68	0.01	4.66	147.3	99.4	0	52	A	
Cl-	1.54	0.10	15.64	331.4	99.6	0	53	A	
Mg++	0.174	0.010	1.250	37.6	99.4	0	52	A	
NO3-	1.32	0.12	8.05	283.7	99.6	0	53	A	
pH	4.38	3.57	6.86	8938.5	99.1	0	50	A	
K+	0.24	0.01	2.48	51.6	99.4	0	52	A	
Precip	-	0.0	21.2	215.4	100.0	33	92		
Na+	0.86	0.05	9.30	184.5	99.4	0	52	A	
SO4-- corr	1.24	0.28	7.16	266.6	99.6	0	53	A	
SO4--	1.31	0.28	7.37	283.1	99.6	0	53	A	

PL0003R SNIEZKA POLAND

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.52	0.09	5.50	152.1	99.1	0	53	A	
Ca++	0.47	0.11	2.77	137.7	99.1	0	52	A	
Cl-	0.66	0.19	4.03	190.8	99.1	0	53	A	
Mg++	0.103	0.030	0.670	29.9	99.1	0	52	A	
NO3-	0.59	0.10	5.99	171.8	99.1	0	53	A	
pH	4.28	3.58	5.75	15231.5	99.1	0	53	A	
K+	0.23	0.07	0.71	65.7	99.1	0	52	A	
Precip	-	0.0	21.4	289.9	100.0	32	92		
Na+	0.44	0.12	1.81	128.3	99.1	0	52	A	
SO4-- corr	1.27	0.27	6.48	369.3	99.1	0	53	A	
SO4--	1.32	0.28	6.56	383.0	99.1	0	53	A	

PL0003R SNIEZKA POLAND

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.41	0.06	2.55	205.8	99.6	0	67	A	
Ca++	0.21	0.04	1.71	104.0	99.6	0	67	A	
Cl-	0.54	0.07	3.36	271.6	99.6	0	67	A	
Mg++	0.065	0.020	0.470	32.7	99.6	0	67	A	
NO3-	0.49	0.09	3.86	247.9	99.6	0	67	A	
pH	4.18	3.55	4.90	33106.3	99.6	0	67	A	
K+	0.08	0.02	0.63	38.5	99.6	0	67	A	
Precip	-	0.0	30.0	501.5	100.0	18	91		
Na+	0.19	0.06	1.58	94.7	99.6	0	67	A	
SO4-- corr	1.09	0.34	3.91	547.3	99.6	0	67	A	
SO4--	1.12	0.35	3.94	562.2	99.6	0	67	A	

PL0004R LEBA POLAND

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.55	0.12	5.70	76.6	97.9	0	46	A	
Ca++	0.16	0.03	1.48	22.4	97.9	0	46	A	
Cl-	1.49	0.20	18.09	208.0	97.9	0	46	A	
Mg++	0.128	0.010	1.230	17.8	97.9	0	46	A	
NO3-	0.80	0.28	7.05	110.9	97.9	0	46	A	
pH	4.54	3.63	6.17	4035.5	97.9	0	46	A	
K+	0.08	0.01	0.66	10.4	97.9	0	46	A	
Precip	-	0.0	9.0	139.5	100.0	31	90		
Na+	0.80	0.09	9.12	111.9	97.9	0	46	A	
SO4-- corr	0.67	0.18	3.36	93.2	97.9	0	46	A	
SO4--	0.74	0.20	4.10	102.8	97.9	0	46	A	

PL0004R LEBA POLAND

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.69	0.14	2.69	86.4	97.4	0	34	A	
Ca++	0.23	0.06	1.66	28.5	95.7	0	33	A	
Cl-	1.45	0.21	13.05	181.6	98.5	0	35	A	
Mg++	0.114	0.020	0.770	14.3	95.7	0	33	A	
NO3-	0.60	0.01	1.79	74.8	98.5	0	35	A	
pH	4.48	4.03	5.94	4132.2	98.8	0	36	A	
K+	0.11	0.02	0.50	14.0	95.7	0	33	A	
Precip	-	0.0	13.4	125.0	100.0	49	92		
Na+	0.70	0.08	6.28	87.2	95.7	0	33	A	
SO4-- corr	0.82	0.20	3.41	102.5	98.5	0	35	A	
SO4--	0.89	0.23	3.55	110.7	98.5	0	35	A	

PL0004R LEBA POLAND

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.47	0.10	4.10	136.5	97.1	0	44	A	
Ca++	0.20	0.03	1.24	58.8	97.1	0	44	A	
Cl-	0.84	0.09	5.56	242.7	97.1	0	44	A	
Mg++	0.077	0.010	0.510	22.4	97.1	0	44	A	
NO3-	0.38	0.08	4.06	109.5	97.1	0	44	A	
pH	4.80	4.25	6.02	4573.3	97.1	0	44	A	
K+	0.08	0.01	0.79	23.2	97.1	0	44	A	
Precip	-	0.0	25.2	289.8	100.0	36	92		
Na+	0.48	0.07	3.30	139.0	97.1	0	44	A	
SO4-- corr	0.52	0.11	3.14	151.0	97.1	0	44	A	
SO4--	0.56	0.14	3.42	163.8	97.1	0	44	A	

PL0004R LEBA POLAND

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.24	0.02	1.60	53.8	97.1	0	37	A	
Ca++	0.20	0.04	2.49	44.5	97.1	0	37	A	
Cl-	2.51	0.20	16.23	566.6	97.1	0	37	A	
Mg++	0.166	0.020	0.910	37.5	97.1	0	37	A	
NO3-	0.34	0.08	2.16	75.8	97.1	0	37	A	
pH	4.64	3.89	6.16	5181.0	97.1	0	37	A	
K+	0.08	0.02	0.47	18.4	97.1	0	37	A	
Precip	-	0.0	27.0	225.7	100.0	43	91		
Na+	1.29	0.09	8.20	291.4	97.1	0	37	A	
SO4-- corr	0.40	0.09	3.26	89.6	97.1	0	37	A	
SO4--	0.50	0.13	3.33	113.9	97.1	0	37	A	

PL0005R DIABLA GORA POLAND

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.54	0.10	3.95	71.7	83.5	0	43	B	
Ca++	0.15	0.00	0.50	20.0	81.8	3	36	B	
Cl-	0.97	0.10	5.10	128.0	83.5	0	43	B	
Mg++	0.060	0.003	0.323	7.9	81.8	0	36	B	
NO3-	0.65	0.08	3.14	85.6	81.8	0	42	B	
pH	4.60	3.84	5.47	3347.7	98.3	0	49	B	
K+	0.11	0.02	0.64	14.3	81.8	0	36	B	
Precip	-	0.0	10.8	132.7	100.0	41	90		
Precip off	-	0.0	11.2	132.1	100.0	40	90		
Na+	0.40	0.00	2.74	53.0	82.3	1	37	B	
SO4-- corr	0.68	0.12	3.64	89.2	83.5	0	43	B	
SO4--	0.71	0.12	3.80	94.2	83.5	0	43	B	

PL0005R DIABLA GORA POLAND

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.98	0.00	3.90	156.1	99.9	5	43	B	
Ca++	0.35	0.00	1.60	56.4	99.6	1	40	B	
Cl-	0.63	0.10	3.90	100.2	99.9	0	43	B	
Mg++	0.081	0.022	0.337	12.9	99.6	0	40	B	
NO3-	0.57	0.08	2.60	91.5	99.9	0	43	B	
pH	4.66	3.94	6.67	3478.2	99.8	0	42	B	
K+	0.33	0.04	2.36	52.3	91.2	0	37	B	
Precip	-	0.0	21.2	159.9	100.0	48	92		
Precip off	-	0.0	21.3	159.3	100.0	48	92		
Na+	0.32	0.04	1.95	50.3	99.6	0	40	B	
SO4-- corr	0.94	0.13	3.78	150.4	99.9	0	43	B	
SO4--	0.98	0.14	3.86	156.5	99.9	0	43	B	

PL0005R DIABLA GORA POLAND

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.43	0.00	10.10	138.2	99.5	10	57	B	
Ca++	0.26	0.00	2.00	85.3	99.3	2	55	B	
Cl-	0.29	0.05	3.80	94.2	94.9	4	56	B	
Mg++	0.060	0.008	0.345	19.2	99.3	0	55	B	
NO3-	0.31	0.03	2.13	100.6	96.0	1	58	B	
pH	4.99	4.07	6.90	3321.9	99.5	0	58	B	
K+	0.19	0.00	4.66	59.5	99.7	1	56	B	
Precip	-	0.0	18.3	213.8	95.7	33	88		
Precip off	-	0.0	17.2	209.9	95.7	33	88		
Na+	0.14	0.03	2.82	45.9	99.8	0	56	B	
SO4-- corr	0.61	0.02	3.70	195.5	96.0	1	57	B	
SO4--	0.62	0.05	3.72	200.6	96.0	1	57	B	

PL0005R DIABLA GORA POLAND

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.37	0.00	8.75	48.3	94.7	1	37	B	
Ca++	0.20	0.00	3.90	26.8	98.0	2	36	B	
Cl-	0.59	0.10	3.50	78.7	99.2	0	38	B	
Mg++	0.047	0.009	0.622	6.2	97.7	0	35	B	
NO3-	0.40	0.09	2.17	52.9	93.6	0	37	B	
pH	4.72	4.00	6.30	2552.9	97.8	0	35	B	
K+	0.14	0.02	4.22	18.2	98.9	0	36	B	
Precip	-	0.0	12.2	141.9	100.0	52	91		
Precip off	-	0.0	12.2	132.5	100.0	52	91		
Na+	0.19	0.03	2.25	25.5	98.9	0	36	B	
SO4-- corr	0.46	0.06	2.09	61.5	99.2	0	38	B	
SO4--	0.49	0.10	2.14	64.4	99.2	0	38	B	

PT0001R BRAGANCA PORTUGAL

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.17	0.01	0.60	16.8	100.0	1	15	A	
Ca++	2.07	0.05	11.60	201.8	100.0	1	15	B	
Cl-	0.71	0.00	2.70	69.2	100.0	1	15	A	
Mg++	0.142	0.015	0.580	13.9	100.0	3	15	D	
NO3-	0.26	0.06	0.80	25.6	100.0	0	15	B	
pH	5.41	4.93	7.08	377.7	100.0	0	15	A	
K+	0.31	0.04	1.74	30.2	100.0	7	15	D	
Precip	-	0.0	21.6	97.7	65.6	50	59		
Na+	0.44	0.01	1.96	43.3	100.0	4	15	C	
SO4-- corr	0.49	0.00	2.34	48.2	100.0	1	15	A	
SO4--	0.54	0.02	2.50	52.3	100.0	1	15	A	

PT0001R BRAGANCA PORTUGAL

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.20	0.01	0.50	15.0	100.0	2	7	A	
Ca++	1.90	0.10	18.40	143.5	100.0	0	7	B	
Cl-	0.96	0.10	3.60	72.8	100.0	0	7	A	
Mg++	0.149	0.015	0.990	11.3	100.0	1	7	D	
NO3-	0.18	0.09	0.53	13.6	100.0	0	7	B	
pH	5.18	4.32	7.75	502.0	100.0	0	7	A	
K+	0.13	0.04	0.50	9.9	100.0	1	7	D	
Precip	-	0.0	18.2	75.6	100.0	85	92		
Na+	0.43	0.01	2.37	32.2	100.0	1	7	C	
SO4-- corr	0.55	0.11	1.55	41.5	100.0	0	7	A	
SO4--	0.60	0.16	1.75	45.3	100.0	0	7	A	

PT0001R BRAGANCA PORTUGAL

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
Precip	-	0.0	23.7	23.7	100.0	91	92		

PT0001R BRAGANCA PORTUGAL

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.06	0.01	0.26	3.4	100.0	2	4	A	
Ca++	0.96	0.20	2.60	52.1	100.0	0	4	B	
Cl-	0.20	0.10	0.40	10.7	100.0	0	4	A	
Mg++	0.147	0.060	0.340	8.0	100.0	0	4	D	
NO3-	0.13	0.01	0.60	6.9	100.0	2	4	B	
pH	6.39	6.11	6.63	22.0	100.0	0	4	A	
K+	0.13	0.04	0.44	6.9	100.0	2	4	D	
Precip	-	0.0	29.5	54.5	100.0	87	91		
Na+	0.28	0.01	0.38	15.0	100.0	1	4	C	
SO4-- corr	0.28	0.07	0.91	15.2	100.0	0	4	A	
SO4--	0.30	0.07	0.94	16.4	100.0	0	4	A	

PT0003R V. DO CASTELO PORTUGAL

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.19	0.01	0.96	37.3	94.5	1	30	A	
Ca++	0.47	0.05	1.30	93.0	100.0	2	31	B	
Cl-	6.11	0.50	20.60	1223.0	100.0	0	31	A	
Mg++	0.413	0.015	1.490	82.6	100.0	0	31	D	
NO3-	0.25	0.06	1.07	50.7	100.0	0	31	B	
pH	4.68	3.97	6.36	4140.9	100.0	0	31	A	
K+	0.29	0.04	1.12	58.7	100.0	6	31	D	
Precip	-	0.0	33.1	200.0	65.6	45	59		
Na+	3.41	0.27	13.13	681.8	100.0	0	31	C	
SO4-- corr	0.38	0.06	1.32	76.8	100.0	0	31	A	
SO4--	0.66	0.11	1.60	131.5	100.0	0	31	A	

PT0003R V. DO CASTELO PORTUGAL

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.27	0.01	1.71	42.2	100.0	4	12	A	
Ca++	0.52	0.20	1.00	80.0	100.0	0	12	B	
Cl-	9.05	0.50	20.50	1397.8	100.0	0	12	A	
Mg++	0.655	0.110	1.400	101.1	100.0	0	12	D	
NO3-	0.17	0.05	0.50	26.0	100.0	0	12	B	
pH	5.65	5.22	6.98	342.6	87.8	0	12	A	
K+	0.18	0.04	0.40	27.7	100.0	4	12	D	
Precip	-	0.0	27.4	154.5	100.0	80	92		
Na+	4.92	0.52	10.37	760.8	100.0	0	12	C	
SO4-- corr	0.40	0.13	1.11	61.7	100.0	0	12	A	
SO4--	0.81	0.36	1.80	124.4	100.0	0	12	A	

PT0003R V. DO CASTELO PORTUGAL

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.57	0.57	0.57	6.4	100.0	0	1	A	
Ca++	1.40	1.40	1.40	15.8	100.0	0	1	B	
Cl-	2.00	2.00	2.00	22.6	100.0	0	1	A	
Mg++	0.220	0.220	0.220	2.5	100.0	0	1	D	
NO3-	0.38	0.38	0.38	4.3	100.0	0	1	B	
pH	6.31	6.31	6.31	5.5	100.0	0	1	A	
K+	0.22	0.22	0.22	2.5	100.0	0	1	D	
Precip	-	0.0	11.3	11.3	100.0	91	92		
Na+	1.04	1.04	1.04	11.8	100.0	0	1	C	
SO4-- corr	0.82	0.82	0.82	9.3	100.0	0	1	A	
SO4--	0.91	0.91	0.91	10.3	100.0	0	1	A	

PT0003R V. DO CASTELO PORTUGAL

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.16	0.01	0.56	58.0	100.0	4	24	A	
Ca++	0.66	0.05	3.20	241.5	100.0	3	24	B	
Cl-	4.32	0.30	15.30	1571.0	100.0	0	24	A	
Mg++	0.310	0.015	1.080	112.9	100.0	1	24	D	
NO3-	0.16	0.01	0.70	58.0	100.0	1	24	B	
pH	5.19	4.50	6.94	2346.2	100.0	0	24	A	
K+	0.13	0.04	0.72	48.2	100.0	17	24	D	
Precip	-	0.0	60.3	363.6	100.0	67	91		
Na+	2.75	0.15	10.78	1000.1	100.0	0	24	C	
SO4-- corr	0.62	0.08	2.78	223.9	100.0	0	24	A	
SO4--	0.83	0.13	2.90	302.3	100.0	0	24	A	

PT0004R MONTE VELHO PORTUGAL

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.08	0.01	0.14	2.7	100.0	2	12	A	
Ca++	1.27	0.05	1.70	41.8	100.0	0	12	B	
Cl-	11.01	1.20	27.50	361.2	100.0	0	12	A	
Mg++	0.658	0.120	1.930	21.6	100.0	0	12	D	
NO3-	0.16	0.07	0.22	5.1	100.0	0	12	B	
pH	6.29	5.21	6.83	16.7	100.0	0	12	A	
K+	0.13	0.04	0.59	4.1	100.0	1	12	D	
Precip	-	0.0	17.5	32.8	65.6	56	59		
Na+	5.79	0.71	16.49	189.9	100.0	0	12	C	
SO4-- corr	0.57	0.01	0.79	18.6	100.0	0	12	A	
SO4--	1.04	0.24	1.40	34.0	100.0	0	12	A	

PT0004R MONTE VELHO PORTUGAL

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.09	0.01	0.31	6.7	100.0	2	5	A	
Ca++	0.50	0.20	1.30	36.4	100.0	0	5	B	
Cl-	4.01	2.80	6.60	289.5	100.0	0	5	A	
Mg++	0.289	0.200	0.490	20.9	100.0	0	5	D	
NO3-	0.26	0.10	0.48	19.0	100.0	0	5	B	
pH	5.04	4.82	5.98	662.5	100.0	0	5	A	
K+	0.11	0.04	0.30	8.1	100.0	2	5	D	
Precip	-	0.0	23.0	72.2	100.0	87	92		
Na+	2.10	1.41	3.56	151.7	100.0	0	5	C	
SO4-- corr	0.33	-0.20	0.85	23.7	100.0	1	5	A	
SO4--	0.50	0.10	1.06	36.4	100.0	0	5	A	

PT0004R MONTE VELHO PORTUGAL

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
Precip	-	0.0	0.0	0.0	100.0	92	92		

PT0004R MONTE VELHO PORTUGAL

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.49	0.19	1.03	33.5	100.0	0	5	A	
Ca++	1.30	0.30	3.60	89.8	100.0	0	5	B	
Cl-	3.17	0.30	9.80	218.1	100.0	0	5	A	
Mg++	0.319	0.015	0.960	21.9	100.0	1	5	D	
NO3-	0.44	0.14	1.01	30.0	100.0	0	5	B	
pH	5.91	5.67	6.41	85.1	100.0	0	5	A	
K+	0.23	0.04	0.56	16.1	100.0	1	5	D	
Precip	-	0.0	22.0	68.8	100.0	86	91		
Na+	2.79	0.20	8.35	192.1	100.0	0	5	C	
SO4-- corr	1.46	0.32	4.37	100.3	100.0	0	5	A	
SO4--	1.66	0.34	4.72	114.5	100.0	0	5	A	

RU0001R JANISKOSKI RUSSIAN FEDERATION

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.12	0.02	0.62	15.4	100.0	12	33	A	
Ca++	0.17	0.01	0.50	22.2	100.0	1	33	D	
Cl-	1.52	0.25	11.88	194.3	100.0	0	33	B	
Mg++	0.051	0.001	0.516	6.4	100.0	5	33	A	
NO3-	0.10	0.01	0.74	13.3	100.0	4	33	A	
pH	5.28	4.75	6.29	677.4	100.0	0	33	A	
K+	0.34	0.03	1.43	43.6	100.0	3	33	D	
Precip	-	0.0	10.7	127.5	100.0	57	90		
Na+	0.82	0.18	6.40	104.1	100.0	0	33	A	
SO4-- corr	0.22	0.06	0.90	27.8	100.0	0	33	A	
SO4--	0.27	0.08	0.92	34.1	100.0	0	33	A	

RU0001R JANISKOSKI RUSSIAN FEDERATION

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.43	0.02	1.16	39.3	100.0	1	20	A	
Ca++	0.15	0.01	0.41	13.7	100.0	9	20	D	
Cl-	2.05	0.36	12.70	186.3	100.0	0	20	B	
Mg++	0.064	0.001	0.517	5.8	100.0	1	20	A	
NO3-	0.23	0.01	0.74	20.5	100.0	1	20	A	
pH	4.93	4.32	6.87	1066.8	100.0	0	20	A	
K+	0.56	0.14	1.17	51.2	100.0	0	20	D	
Precip	-	0.0	11.5	90.7	100.0	72	92		
Na+	1.38	0.27	9.11	125.1	100.0	0	20	A	
SO4-- corr	0.73	0.15	1.78	66.0	100.0	0	20	A	
SO4--	0.84	0.21	2.23	76.3	100.0	0	20	A	

RU0001R JANISKOSKI RUSSIAN FEDERATION

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.05	0.02	0.33	9.6	100.0	19	28	A	
Ca++	0.17	0.01	0.42	32.8	100.0	2	28	D	
Cl-	0.55	0.16	2.03	109.6	100.0	0	28	B	
Mg++	0.015	0.001	0.114	3.0	100.0	6	28	A	
NO3-	0.05	0.01	0.36	9.9	100.0	16	28	A	
pH	4.65	4.09	5.48	4437.6	100.0	0	28	A	
K+	0.24	0.03	0.89	48.5	100.0	1	28	D	
Precip	-	0.0	25.5	198.9	98.9	63	91		
Na+	0.28	0.09	1.25	55.3	100.0	0	28	A	
SO4-- corr	0.50	0.17	1.48	99.6	100.0	0	28	A	
SO4--	0.52	0.17	1.51	103.1	100.0	0	28	A	

RU0001R JANISKOSKI RUSSIAN FEDERATION

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.10	0.02	1.19	12.9	100.0	5	24	A	
Ca++	0.15	0.05	0.49	19.3	100.0	0	24	D	
Cl-	1.07	0.21	7.61	142.4	100.0	0	24	B	
Mg++	0.029	0.013	0.258	3.8	100.0	0	24	A	
NO3-	0.07	0.01	0.53	9.5	100.0	5	24	A	
pH	5.10	4.67	7.07	1045.5	100.0	0	24	A	
K+	0.38	0.03	3.47	50.3	100.0	1	24	D	
Precip	-	0.0	20.7	132.6	100.0	67	91		
Na+	0.59	0.12	5.12	78.6	100.0	0	24	A	
SO4-- corr	0.27	0.09	1.34	35.9	100.0	0	24	A	
SO4--	0.31	0.12	1.77	41.4	100.0	0	24	A	

RU0013R PINEGA RUSSIAN FEDERATION

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.28	0.03	1.10	20.0	100.0	0	35	A	
Ca++	0.20	0.01	0.52	14.0	99.3	4	34	D	
Cl-	0.89	0.09	7.65	63.1	100.0	0	35	B	
Mg++	0.017	0.001	0.151	1.2	99.3	7	34	A	
NO3-	0.22	0.02	0.87	15.5	100.0	0	35	A	
pH	5.29	4.51	6.56	363.1	100.0	0	35	A	
K+	0.31	0.00	1.26	22.2	100.0	1	35	D	
Precip	-	0.0	8.5	71.2	100.0	55	90		
Na+	0.48	0.11	3.36	34.4	100.0	0	35	A	
SO4-- corr	0.29	0.11	1.59	21.0	100.0	0	35	A	
SO4--	0.32	0.12	1.68	22.8	100.0	0	35	A	

RU0013R PINEGA RUSSIAN FEDERATION

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.43	0.02	2.46	31.5	100.0	1	24	A	
Ca++	0.16	0.01	0.70	11.8	99.3	8	23	D	
Cl-	0.47	0.15	2.10	35.1	100.0	0	24	B	
Mg++	0.043	0.010	0.223	3.2	99.3	0	23	A	
NO3-	0.22	0.05	1.98	16.6	100.0	0	24	A	
pH	5.13	4.02	6.60	552.9	100.0	0	24	A	
K+	0.24	0.14	1.00	17.9	100.0	0	24	D	
Precip	-	0.0	14.4	74.1	100.0	68	92		
Na+	0.33	0.09	1.37	24.3	100.0	0	24	A	
SO4-- corr	0.57	0.07	3.50	42.0	100.0	0	24	A	
SO4--	0.59	0.08	3.55	43.8	100.0	0	24	A	

RU0013R PINEGA RUSSIAN FEDERATION

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.07	0.02	0.80	16.7	100.0	18	40	A	
Ca++	0.22	0.01	1.64	53.6	100.0	2	40	D	
Cl-	0.66	0.12	7.80	161.0	100.0	0	40	B	
Mg++	0.075	0.014	0.510	18.3	100.0	0	40	A	
NO3-	0.05	0.01	0.63	11.9	100.0	20	40	A	
pH	5.03	4.36	6.25	2259.6	100.0	0	40	A	
K+	0.26	0.03	4.06	63.0	100.0	4	40	D	
Precip	-	0.0	26.3	242.8	100.0	52	92		
Na+	0.34	0.05	1.96	81.7	100.0	0	40	A	
SO4-- corr	0.39	0.07	1.40	94.3	100.0	0	40	A	
SO4--	0.42	0.08	1.43	102.1	100.0	0	40	A	

RU0013R PINEGA RUSSIAN FEDERATION

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.15	0.02	2.33	22.8	100.0	5	43	A	
Ca++	0.18	0.04	1.69	28.3	100.0	0	43	D	
Cl-	0.49	0.14	4.11	76.6	100.0	0	43	B	
Mg++	0.050	0.003	1.011	7.7	100.0	0	43	A	
NO3-	0.08	0.01	0.98	12.8	100.0	11	43	A	
pH	5.28	4.74	7.41	817.4	100.0	0	43	A	
K+	0.23	0.03	4.64	36.1	100.0	2	43	D	
Precip	-	0.0	14.1	156.0	100.0	48	91		
Na+	0.24	0.04	1.70	37.4	100.0	0	43	A	
SO4-- corr	0.29	0.07	2.24	45.3	100.0	0	43	A	
SO4--	0.31	0.08	2.37	48.9	100.0	0	43	A	

RU0016R SHEPELJOVO RUSSIAN FEDERATION

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.34	0.02	1.58	31.0	100.0	2	26	A	
Ca++	0.61	0.03	2.69	56.0	100.0	0	26	D	
Cl-	9.87	0.72	118.40	905.8	100.0	0	26	B	
Mg++	0.397	0.041	2.758	36.4	100.0	0	26	A	
NO3-	0.46	0.01	1.55	41.9	100.0	1	26	A	
pH	4.99	4.18	6.10	936.1	100.0	0	26	A	
K+	0.78	0.19	4.30	71.3	100.0	0	26	D	
Precip	-	0.0	10.8	91.8	100.0	64	90		
Na+	6.08	0.42	75.86	558.5	100.0	0	26	A	
SO4-- corr	1.02	0.19	6.60	93.3	100.0	0	26	A	
SO4--	1.34	0.23	8.52	122.9	100.0	0	26	A	

RU0016R SHEPELJOVO RUSSIAN FEDERATION

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.55	0.02	1.73	58.7	100.0	2	19	A	
Ca++	0.39	0.02	1.65	41.2	100.0	0	19	D	
Cl-	5.30	0.40	46.38	565.5	100.0	0	19	B	
Mg++	0.288	0.054	1.867	30.7	100.0	0	19	A	
NO3-	0.42	0.07	1.36	44.5	100.0	0	19	A	
pH	5.11	4.65	6.33	823.3	100.0	0	19	A	
K+	0.59	0.24	1.68	63.2	100.0	0	19	D	
Precip	-	0.0	11.3	106.8	100.0	73	92		
Na+	3.06	0.22	26.14	326.3	100.0	0	19	A	
SO4-- corr	0.84	0.17	3.04	89.7	100.0	0	19	A	
SO4--	1.09	0.23	3.35	116.0	100.0	0	19	A	

RU0016R SHEPELJOVO RUSSIAN FEDERATION

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.33	0.02	4.33	103.9	100.0	28	44	A	
Ca++	0.35	0.06	1.80	112.0	100.0	0	44	D	
Cl-	0.78	0.27	5.90	246.9	100.0	0	44	B	
Mg++	0.075	0.013	0.640	23.7	100.0	0	44	A	
NO3-	0.24	0.01	3.25	75.3	100.0	28	44	A	
pH	5.05	4.46	6.71	2832.8	100.0	0	44	A	
K+	0.38	0.03	5.93	119.8	100.0	8	44	D	
Precip	-	0.0	29.2	316.6	100.0	48	92		
Na+	0.43	0.15	3.61	137.4	100.0	0	44	A	
SO4-- corr	0.58	0.20	4.00	185.3	100.0	0	44	A	
SO4--	0.63	0.22	4.30	199.9	100.0	0	44	A	

RU0016R SHEPELJOVO RUSSIAN FEDERATION

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.09	0.02	0.84	12.9	100.0	8	24	A	
Ca++	0.72	0.18	5.61	100.9	100.0	0	24	D	
Cl-	3.86	0.29	37.04	538.2	100.0	0	24	B	
Mg++	0.296	0.026	3.354	41.3	100.0	0	24	A	
NO3-	0.26	0.01	1.18	36.1	100.0	6	24	A	
pH	4.91	4.27	6.97	1717.1	100.0	0	24	A	
K+	0.30	0.06	1.05	41.3	100.0	0	24	D	
Precip	-	0.0	33.8	139.5	100.0	67	91		
Na+	1.88	0.11	18.68	262.8	100.0	0	24	A	
SO4-- corr	0.54	0.18	2.58	74.8	100.0	0	24	A	
SO4--	0.69	0.21	2.82	97.0	100.0	0	24	A	

SE0002R RORVIK SWEDEN

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.40	0.09	3.59	78.4	99.6	0	39	A	
Ca++	0.24	0.07	1.69	47.7	99.6	0	39	A	
Cl-	2.83	0.25	42.31	554.6	99.8	0	41	A	
Mg++	0.234	0.050	3.010	45.8	99.6	0	39	B	
NO3-	0.58	0.09	3.90	112.8	99.9	0	42	A	
pH	4.81	3.82	6.29	3016.9	100.0	0	43	A	
K+	0.11	0.02	0.77	21.4	99.6	0	39	B	
Precip	-	0.0	16.1	195.8	100.0	47	90		
Na+	1.63	0.10	23.77	319.8	99.6	0	39	A	
SO4-- corr	0.43	0.09	3.48	84.0	99.8	0	41	A	
SO4--	0.57	0.17	3.81	111.5	99.9	0	42	A	

SE0002R RORVIK SWEDEN

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.57	0.03	3.96	83.3	99.9	0	31	A	
Ca++	0.18	0.04	1.30	26.5	98.5	0	27	A	
Cl-	1.93	0.08	16.66	279.8	99.6	0	30	A	
Mg++	0.163	0.030	1.300	23.6	99.4	0	29	B	
NO3-	0.53	0.06	2.11	76.3	99.3	0	29	A	
pH	4.61	3.64	6.12	3542.0	99.9	0	32	A	
K+	0.11	0.00	0.38	16.0	99.4	1	29	B	
Precip	-	0.0	24.3	145.0	100.0	59	92		
Na+	1.13	0.03	10.17	163.9	99.4	0	29	A	
SO4-- corr	0.51	0.09	4.60	73.7	99.6	0	30	A	
SO4--	0.61	0.11	4.69	87.8	99.6	0	30	A	

SE0002R RORVIK SWEDEN

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.36	0.01	4.39	87.4	99.6	0	39	A	
Ca++	0.17	0.04	1.10	42.8	99.6	0	39	A	
Cl-	2.98	0.19	13.65	728.0	99.6	0	39	A	
Mg++	0.189	0.020	0.880	46.3	99.6	0	39	B	
NO3-	0.41	0.06	3.07	100.5	99.6	0	39	A	
pH	4.57	4.04	6.44	6613.0	100.0	0	43	A	
K+	0.12	0.02	0.30	30.2	99.6	0	39	B	
Precip	-	0.0	22.9	244.6	100.0	49	92		
Na+	1.67	0.16	7.60	408.7	99.6	0	39	A	
SO4-- corr	0.46	0.06	3.66	112.7	99.6	0	39	A	
SO4--	0.59	0.09	3.71	144.4	99.6	0	39	A	

SE0002R RORVIK SWEDEN

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.23	0.01	5.70	52.4	100.0	0	38	A	
Ca++	0.22	0.09	3.08	50.4	99.9	0	37	A	
Cl-	3.81	0.02	36.17	852.7	100.0	0	38	A	
Mg++	0.232	0.060	2.060	51.8	99.9	0	37	B	
NO3-	0.35	0.06	3.52	79.0	99.9	0	37	A	
pH	4.62	3.65	6.48	5322.3	99.9	0	38	A	
K+	0.16	0.05	0.81	35.8	99.9	0	37	B	
Precip	-	0.0	17.9	223.7	100.0	52	91		
Na+	2.25	0.08	19.23	503.9	99.9	0	37	A	
SO4-- corr	0.33	-0.37	6.09	74.6	99.9	1	37	A	
SO4--	0.52	0.15	6.21	115.6	99.9	0	37	A	

SE0005R BREDKALEN SWEDEN

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.04	0.01	0.16	5.2	99.8	0	14	A	W
Ca++	0.08	0.01	0.33	9.7	99.8	0	14	A	W
Cl-	0.40	0.00	2.25	47.9	100.0	4	15	A	W
Mg++	0.039	0.020	0.100	4.6	99.8	0	14	B	W
NO3-	0.19	0.03	0.57	22.3	100.0	0	15	A	W
pH	4.84	4.50	5.89	1703.6	100.0	0	15	A	W
K+	0.04	0.01	0.07	4.7	99.8	0	14	B	W
Precip	-	0.2	19.5	118.7	100.0	0	15		W
Na+	0.20	0.01	1.13	23.9	99.8	0	14	A	W
SO4-- corr	0.17	0.02	0.65	20.2	100.0	0	15	A	W
SO4--	0.19	0.03	0.66	22.7	100.0	0	15	A	W

SE0005R BREDKALEN SWEDEN

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.16	0.00	0.74	11.0	100.0	1	15	A	W
Ca++	0.13	0.01	0.83	8.5	100.0	0	15	A	W
Cl-	0.17	0.04	1.26	11.0	100.0	0	15	A	W
Mg++	0.029	0.020	0.130	2.0	100.0	0	15	B	W
NO3-	0.19	0.00	0.53	13.1	100.0	1	15	A	W
pH	4.88	4.57	6.44	875.6	100.0	0	15	A	W
K+	0.04	0.01	0.10	2.4	98.2	0	13	B	W
Precip	-	0.0	16.0	67.0	98.9	1	16		W
Na+	0.08	0.02	0.55	5.6	98.2	0	13	A	W
SO4-- corr	0.29	0.01	0.90	19.2	100.0	0	15	A	W
SO4--	0.29	0.02	0.96	19.8	100.0	0	15	A	W

SE0005R BREDKALEN SWEDEN

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.12	0.01	2.10	53.7	100.0	0	18	A	W
Ca++	0.10	0.04	0.26	46.0	100.0	0	18	A	W
Cl-	0.10	0.00	1.03	45.4	100.0	2	19	A	W
Mg++	0.052	0.010	0.080	24.0	100.0	0	18	B	W
NO3-	0.08	0.02	0.21	36.6	100.0	0	19	A	W
pH	5.01	4.31	7.00	4536.1	100.0	0	19	A	W
K+	0.12	0.04	0.71	53.9	100.0	0	18	B	W
Precip	-	0.2	88.1	462.0	98.9	2	19		W
Na+	0.06	0.02	0.32	29.3	100.0	0	18	A	W
SO4-- corr	0.12	0.04	0.89	56.9	100.0	0	19	A	W
SO4--	0.13	0.05	0.94	61.5	100.0	0	19	A	W

SE0005R BREDKALEN SWEDEN

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.11	0.02	0.30	16.7	99.9	0	13	A	W
Ca++	0.13	0.09	0.57	19.2	99.9	0	13	A	W
Cl-	0.11	0.02	0.23	16.6	99.9	0	13	A	W
Mg++	0.062	0.060	0.090	9.2	99.9	0	13	B	W
NO3-	0.14	0.05	0.33	21.3	99.9	0	13	A	W
pH	4.79	4.50	6.74	2400.2	100.0	0	14	A	W
K+	0.13	0.08	0.19	18.9	99.9	0	13	B	W
Precip	-	0.0	30.1	147.5	100.0	2	16		W
Na+	0.09	0.05	0.12	12.9	99.9	0	13	A	W
SO4-- corr	0.21	0.04	0.46	30.7	99.9	0	13	A	W
SO4--	0.22	0.04	0.47	31.7	99.9	0	13	A	W

SE0011R VAVIHILL SWEDEN

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.77	0.39	2.38	124.7	100.0	0	12	A	W
Ca++	0.20	0.09	0.54	32.2	100.0	0	12	A	W
Cl-	1.91	0.46	5.59	309.3	100.0	0	12	A	W
Mg++	0.148	0.070	0.440	24.0	100.0	0	12	B	W
NO3-	0.78	0.43	1.68	126.0	100.0	0	12	A	W
pH	4.72	4.24	5.38	3069.7	100.0	0	12	A	W
K+	0.13	0.07	0.46	21.7	100.0	0	12	B	W
Precip	-	0.0	41.9	162.2	100.0	3	15		W
Na+	1.02	0.33	3.49	164.9	100.0	0	12	A	W
SO4-- corr	0.65	0.33	1.70	105.4	100.0	0	12	A	W
SO4--	0.73	0.36	1.99	119.1	100.0	0	12	A	W

SE0011R VAVIHILL SWEDEN

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.64	0.29	3.24	96.1	99.9	0	15	A	W
Ca++	0.20	0.10	0.92	30.2	99.9	0	15	A	W
Cl-	1.04	0.12	6.95	155.6	99.9	0	15	A	W
Mg++	0.099	0.030	0.460	14.8	99.9	0	15	B	W
NO3-	0.54	0.25	1.86	81.0	99.9	0	15	A	W
pH	4.70	4.31	6.12	2955.7	100.0	0	16	A	W
K+	0.15	0.07	0.54	22.7	99.9	0	15	B	W
Precip	-	0.2	44.4	149.6	100.0	0	16		W
Na+	0.61	0.03	4.05	91.3	99.9	0	15	A	W
SO4-- corr	0.60	0.31	3.18	89.4	99.9	0	15	A	W
SO4--	0.65	0.36	3.22	97.8	99.9	0	15	A	W

SE0011R VAVIHILL SWEDEN

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.43	0.17	1.43	118.3	100.0	0	12	A	W
Ca++	0.18	0.10	0.61	50.0	100.0	0	12	A	W
Cl-	1.99	0.35	4.69	544.3	100.0	0	12	A	W
Mg++	0.134	0.030	0.240	36.7	100.0	0	12	B	W
NO3-	0.33	0.14	0.98	89.1	100.0	0	12	A	W
pH	4.84	4.67	6.44	3968.8	100.0	0	12	A	W
K+	0.14	0.03	0.41	38.2	100.0	0	12	B	W
Precip	-	0.0	56.5	273.1	100.0	3	15		W
Na+	1.13	0.18	2.76	307.5	100.0	0	12	A	W
SO4-- corr	0.45	0.22	1.24	122.1	100.0	0	12	A	W
SO4--	0.54	0.33	1.28	147.1	100.0	0	12	A	W

SE0011R VAVIHILL SWEDEN

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.48	0.15	5.61	104.8	100.0	0	11	A	W
Ca++	0.16	0.13	1.80	35.2	100.0	0	11	A	W
Cl-	2.39	0.46	10.26	523.9	100.0	0	11	A	W
Mg++	0.134	0.070	0.530	29.4	100.0	0	11	B	W
NO3-	0.50	0.14	4.14	109.7	100.0	0	11	A	W
pH	4.53	3.57	5.81	6506.9	100.0	0	11	A	W
K+	0.17	0.10	0.36	37.8	100.0	0	11	B	W
Precip	-	0.0	75.9	219.5	100.0	4	15		W
Na+	1.10	0.21	5.38	241.9	100.0	0	11	A	W
SO4-- corr	0.47	0.21	6.77	103.1	100.0	0	11	A	W
SO4--	0.55	0.29	6.84	121.5	100.0	0	11	A	W

SE0012R ASPVRETEN SWEDEN

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.22	0.03	1.04	20.8	99.8	0	11	A	W
Ca++	0.14	0.02	0.46	13.3	99.8	0	11	A	W
Cl-	0.50	0.29	1.00	48.0	99.8	0	11	A	W
Mg++	0.051	0.020	0.100	4.9	99.8	0	11	B	W
NO3-	0.39	0.11	1.13	36.8	99.8	0	11	A	W
pH	4.97	4.44	5.92	1016.3	100.0	0	12	A	W
K+	0.11	0.03	0.48	10.8	99.8	0	11	B	W
Precip	-	0.2	28.0	95.0	100.0	3	15		W
Na+	0.25	0.14	0.56	24.2	99.8	0	11	A	W
SO4-- corr	0.45	0.06	1.02	43.1	99.8	0	11	A	W
SO4--	0.48	0.07	1.05	45.6	99.8	0	11	A	W

SE0012R ASPVRETEN SWEDEN

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.40	0.06	1.27	50.7	100.0	0	14	A	W
Ca++	0.29	0.05	2.60	36.5	100.0	0	14	A	W
Cl-	0.53	0.14	4.27	67.0	100.0	0	14	A	W
Mg++	0.057	0.030	0.230	7.2	100.0	0	14	B	W
NO3-	0.33	0.13	1.30	42.5	100.0	0	14	A	W
pH	4.78	4.22	5.66	2083.8	100.0	0	14	A	W
K+	0.08	0.02	0.27	10.3	100.0	0	14	B	W
Precip	-	0.0	30.5	127.1	100.0	2	16		W
Na+	0.18	0.06	0.86	23.2	100.0	0	14	A	W
SO4-- corr	0.54	0.08	2.35	68.9	100.0	0	14	A	W
SO4--	0.57	0.12	2.41	72.7	100.0	0	14	A	W

SE0012R ASPVRETEN SWEDEN

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.27	0.01	0.73	39.6	99.9	0	14	A	W
Ca++	0.22	0.10	0.56	31.9	99.9	0	14	A	W
Cl-	0.41	0.10	0.95	59.9	99.9	0	14	A	W
Mg++	0.057	0.020	0.100	8.4	99.9	0	14	B	W
NO3-	0.30	0.10	1.08	44.5	100.0	0	15	A	W
pH	4.69	4.08	5.96	2997.7	100.0	0	15	A	W
K+	0.12	0.04	0.17	17.0	99.9	0	14	B	W
Precip	-	0.0	22.0	147.4	100.0	1	16		W
Na+	0.12	0.04	0.24	17.1	99.9	0	14	A	W
SO4-- corr	0.41	0.08	1.06	60.1	99.9	0	14	A	W
SO4--	0.43	0.09	1.13	63.5	100.0	0	15	A	W

SE0012R ASPVRETEN SWEDEN

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.28	0.02	0.65	22.9	99.4	0	12	A	W
Ca++	0.40	0.10	2.31	32.8	100.0	0	13	A	W
Cl-	1.09	0.20	5.68	90.7	100.0	0	13	A	W
Mg++	0.091	0.060	0.200	7.5	100.0	0	13	B	W
NO3-	0.34	0.18	0.86	28.3	100.0	0	13	A	W
pH	4.54	4.14	6.11	2387.6	100.0	0	14	A	W
K+	0.14	0.10	0.38	11.5	100.0	0	13	B	W
Precip	-	0.0	27.4	83.0	100.0	3	16		W
Na+	0.32	0.15	1.31	26.2	100.0	0	13	A	W
SO4-- corr	0.51	0.20	1.61	42.6	100.0	0	13	A	W
SO4--	0.56	0.25	1.75	46.6	100.0	0	13	A	W

SK0002R CHOPOK SLOVAKIA

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.40	0.13	1.60	66.6	83.9	0	36	B	
Ca++	0.43	0.09	1.40	71.8	83.9	0	36	B	
Cl-	0.55	0.13	1.99	91.2	83.9	0	36	A	
Mg++	0.087	0.009	0.356	14.4	83.9	0	36	C	
NO3-	0.47	0.08	1.62	77.1	83.9	0	36	A	
pH	4.52	3.80	5.42	4961.5	83.9	0	36	A	
K+	0.30	0.04	1.86	49.1	83.9	0	36	D	
Precip	-	0.0	10.2	165.9	100.0	40	90		
Na+	0.37	0.08	1.19	61.1	83.9	0	36	A	
SO4-- corr	0.77	0.17	2.59	127.5	83.9	0	36	A	
SO4--	0.80	0.18	2.64	132.2	83.9	0	36	A	

SK0002R CHOPOK SLOVAKIA

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.78	0.10	2.57	209.4	86.0	0	36	B	
Ca++	0.48	0.07	1.66	128.3	86.0	0	36	B	
Cl-	0.56	0.13	2.96	149.3	86.0	0	36	A	
Mg++	0.058	0.005	0.195	15.5	86.0	0	36	C	
NO3-	0.54	0.09	1.98	143.8	86.0	0	36	A	
pH	4.54	3.97	5.78	7755.2	86.0	0	36	A	
K+	0.19	0.04	0.59	49.6	86.0	0	36	D	
Precip	-	0.2	24.8	268.4	98.9	30	91		
Na+	0.30	0.04	1.39	80.7	86.0	0	36	A	
SO4-- corr	1.25	0.29	3.32	334.5	86.0	0	36	A	
SO4--	1.27	0.30	3.34	341.9	86.0	0	36	A	

SK0002R CHOPOK SLOVAKIA

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.61	0.05	2.92	205.8	97.1	0	46	B	
Ca++	0.30	0.10	2.79	100.8	97.1	0	46	B	
Cl-	0.17	0.06	0.74	58.0	97.1	0	46	A	
Mg++	0.047	0.011	0.436	15.9	97.1	0	46	C	
NO3-	0.44	0.08	1.96	147.3	97.1	0	46	A	
pH	4.51	4.01	5.67	10548.4	97.1	0	46	A	
K+	0.18	0.05	0.73	59.9	97.1	0	46	D	
Precip	-	0.2	26.5	337.4	100.0	32	92		
Na+	0.17	0.04	2.91	56.1	97.1	0	46	A	
SO4-- corr	0.98	0.16	3.51	331.3	97.1	0	46	A	
SO4--	1.00	0.17	3.52	335.7	97.1	0	46	A	

SK0002R CHOPOK SLOVAKIA

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.37	0.03	1.71	156.8	97.0	0	45	B	
Ca++	0.18	0.04	1.40	77.2	97.0	0	45	B	
Cl-	0.25	0.01	1.52	107.8	97.0	0	45	A	
Mg++	0.032	0.002	0.240	13.5	97.0	0	45	C	
NO3-	0.31	0.02	1.60	130.7	97.0	0	45	A	
pH	4.47	3.86	5.01	14322.9	97.0	0	45	A	
K+	0.14	0.03	0.81	60.1	97.0	0	45	D	
Precip	-	0.1	42.3	421.9	100.0	32	91		
Na+	0.14	0.03	1.04	60.6	97.0	0	45	A	
SO4-- corr	0.72	0.07	4.93	304.8	97.0	0	45	A	
SO4--	0.74	0.08	4.95	310.4	97.0	0	45	A	

SK0004R STARA LESNA SLOVAKIA

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.16	0.01	1.40	12.1	82.6	0	16	B	
Ca++	0.70	0.15	1.78	53.4	82.6	0	16	B	
Cl-	0.32	0.10	1.43	24.4	82.6	0	16	A	
Mg++	0.045	0.021	0.228	3.5	82.6	0	16	C	
NO3-	0.30	0.11	1.26	22.8	82.6	0	16	A	
pH	4.61	4.06	6.30	1870.0	82.6	0	16	A	
K+	0.25	0.01	0.82	19.2	82.6	0	16	D	
Precip	-	0.0	14.4	76.8	100.0	55	90		
Na+	0.26	0.04	1.25	20.1	82.6	0	16	A	
SO4-- corr	0.73	0.29	2.69	55.9	82.6	0	16	A	
SO4--	0.75	0.31	2.75	57.4	82.6	0	16	A	

SK0004R STARA LESNA SLOVAKIA

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.40	0.06	1.20	54.9	84.5	0	19	B	
Ca++	0.44	0.09	1.69	59.2	84.5	0	19	B	
Cl-	0.28	0.08	1.55	37.9	84.5	0	19	A	
Mg++	0.069	0.015	0.276	9.3	84.5	0	19	C	
NO3-	0.31	0.10	1.08	42.4	84.5	0	19	A	
pH	4.62	3.92	5.59	3284.1	84.5	0	19	A	
K+	0.14	0.07	0.50	18.7	84.5	0	19	D	
Precip	-	0.1	18.3	135.9	100.0	47	92		
Na+	0.16	0.05	0.53	22.1	84.5	0	19	A	
SO4-- corr	0.89	0.33	3.11	120.4	84.5	0	19	A	
SO4--	0.90	0.35	3.14	122.6	84.5	0	19	A	

SK0004R STARA LESNA SLOVAKIA

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.59	0.00	2.53	146.9	90.7	1	35	B	
Ca++	0.49	0.02	3.98	123.0	90.7	0	35	B	
Cl-	0.23	0.06	0.68	57.5	90.7	0	35	A	
Mg++	0.075	0.018	0.788	18.9	90.7	0	35	C	
NO3-	0.36	0.02	0.83	91.3	90.7	0	35	A	
pH	4.63	3.91	6.53	5859.3	90.7	0	35	A	
K+	0.25	0.01	1.21	62.6	90.7	0	35	D	
Precip	-	0.1	20.7	250.8	100.0	37	92		
Na+	0.25	0.03	1.82	64.0	90.7	0	35	A	
SO4-- corr	0.89	0.13	3.19	223.3	90.7	0	35	A	
SO4--	0.91	0.15	3.24	228.4	90.7	0	35	A	

SK0004R STARA LESNA SLOVAKIA

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.27	0.06	1.22	68.4	94.5	0	25	B	
Ca++	0.17	0.07	1.46	43.5	94.5	0	25	B	
Cl-	0.25	0.03	2.20	63.0	94.5	0	25	A	
Mg++	0.034	0.010	0.317	8.5	94.5	0	25	C	
NO3-	0.25	0.09	1.43	62.0	94.5	0	25	A	
pH	4.63	4.00	5.39	5898.2	94.5	0	25	A	
K+	0.15	0.02	0.90	37.7	94.5	0	25	D	
Precip	-	0.1	30.1	253.1	100.0	48	91		
Na+	0.21	0.02	1.32	54.2	94.5	0	25	A	
SO4-- corr	0.59	0.21	2.94	149.5	94.5	0	25	A	
SO4--	0.60	0.22	2.95	153.0	94.5	0	25	A	

SK0005R LIESEK SLOVAKIA

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.46	0.15	0.82	46.6	80.3	0	17	B	
Ca++	0.60	0.22	1.64	61.4	80.3	0	17	B	
Cl-	0.58	0.18	1.44	59.8	80.3	0	17	A	
Mg++	0.068	0.023	0.262	7.0	80.3	0	17	C	
NO3-	0.57	0.08	1.27	58.2	80.3	0	17	A	
pH	4.39	3.92	6.42	4139.9	80.3	0	17	A	
K+	0.24	0.07	0.68	25.0	80.3	0	17	D	
Precip	-	0.0	15.3	102.6	100.0	45	90		
Na+	0.32	0.11	0.75	32.6	80.3	0	17	A	
SO4-- corr	0.93	0.30	1.35	95.7	80.3	0	17	A	
SO4--	0.96	0.33	1.39	98.8	80.3	0	17	A	

SK0005R LIESEK SLOVAKIA

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.51	0.17	1.41	87.7	85.6	0	23	B	
Ca++	0.47	0.20	1.17	80.9	85.6	0	23	B	
Cl-	0.39	0.13	1.87	67.8	85.6	0	23	A	
Mg++	0.065	0.015	0.152	11.3	85.6	0	23	C	
NO3-	0.38	0.14	0.84	66.1	85.6	0	23	A	
pH	4.49	4.00	5.84	5562.9	85.6	0	23	A	
K+	0.27	0.09	0.99	46.5	85.6	0	23	D	
Precip	-	0.1	22.7	173.4	100.0	44	92		
Na+	0.27	0.06	0.84	47.3	85.6	0	23	A	
SO4-- corr	0.99	0.52	2.84	171.0	85.6	0	23	A	
SO4--	1.01	0.53	2.90	175.8	85.6	0	23	A	

SK0005R LIESEK SLOVAKIA

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.31	0.02	0.98	83.0	92.2	0	33	B	
Ca++	0.32	0.08	1.78	85.0	92.2	0	33	B	
Cl-	0.23	0.11	0.84	62.8	92.2	0	33	A	
Mg++	0.047	0.014	0.258	12.5	92.2	0	33	C	
NO3-	0.29	0.04	0.90	77.1	92.2	0	33	A	
pH	4.56	4.11	6.21	7329.6	92.2	0	33	A	
K+	0.11	0.04	0.57	28.6	92.2	0	33	D	
Precip	-	0.1	46.7	268.0	100.0	39	92		
Na+	0.22	0.06	0.58	59.8	92.2	0	33	A	
SO4-- corr	0.75	0.24	1.79	200.8	92.2	0	33	A	
SO4--	0.76	0.26	1.81	204.9	92.2	0	33	A	

SK0005R LIESEK SLOVAKIA

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.25	0.01	1.09	56.1	92.2	0	26	B	
Ca++	0.21	0.05	0.72	48.6	92.2	0	26	B	
Cl-	0.32	0.05	2.66	73.1	92.2	0	26	A	
Mg++	0.030	0.009	0.090	6.9	92.2	0	26	C	
NO3-	0.26	0.08	1.05	60.4	92.2	0	26	A	
pH	4.61	3.98	5.55	5654.6	92.2	0	26	A	
K+	0.15	0.02	1.46	34.5	92.2	0	26	D	
Precip	-	0.1	33.1	229.3	100.0	35	91		
Na+	0.22	0.03	1.36	50.4	92.2	0	26	A	
SO4-- corr	0.52	0.11	2.48	118.6	92.2	0	26	A	
SO4--	0.54	0.17	2.51	122.8	92.2	0	26	A	

SK0006R STARINA SLOVAKIA

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.44	0.01	1.39	50.8	80.7	0	22	B	
Ca++	0.37	0.08	1.65	42.5	80.7	0	22	B	
Cl-	0.34	0.16	0.76	39.0	80.7	0	22	A	
Mg++	0.046	0.012	0.210	5.4	80.7	0	22	C	
NO3-	0.60	0.17	2.55	70.1	80.7	0	22	A	
pH	4.36	3.82	5.40	5063.4	80.7	0	22	A	
K+	0.20	0.03	0.77	22.9	80.7	0	22	D	
Precip	-	0.0	15.5	116.4	100.0	41	90		
Na+	0.21	0.05	0.74	24.5	80.7	0	22	A	
SO4-- corr	1.01	0.46	2.07	117.9	80.7	0	22	A	
SO4--	1.03	0.49	2.10	120.4	80.7	0	22	A	

SK0006R STARINA SLOVAKIA

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.38	0.05	1.50	70.7	88.1	0	24	B	
Ca++	0.72	0.05	1.96	134.9	88.1	0	24	B	
Cl-	0.33	0.12	2.04	61.6	88.1	0	24	A	
Mg++	0.051	0.011	0.210	9.6	88.1	0	24	C	
NO3-	0.40	0.12	1.63	76.1	88.1	0	24	A	
pH	4.89	3.93	6.33	2442.0	88.1	0	24	A	
K+	0.25	0.04	0.74	47.2	88.1	0	24	D	
Precip	-	0.1	34.3	188.5	100.0	42	92		
Na+	0.25	0.05	1.42	46.9	88.1	0	24	A	
SO4-- corr	0.73	0.27	2.27	138.3	88.1	0	24	A	
SO4--	0.76	0.28	2.30	142.6	88.1	0	24	A	

SK0006R STARINA SLOVAKIA

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.54	0.01	1.55	183.9	97.2	0	37	B	
Ca++	0.42	0.08	2.03	144.6	97.2	0	37	B	
Cl-	0.27	0.04	1.64	93.0	97.2	0	37	A	
Mg++	0.053	0.009	0.267	18.2	97.2	0	37	C	
NO3-	0.35	0.06	1.80	120.2	97.2	0	37	A	
pH	4.56	4.13	6.17	9466.6	97.2	0	37	A	
K+	0.23	0.02	0.86	77.9	97.2	0	37	D	
Precip	-	0.1	25.1	341.9	100.0	41	92		
Na+	0.32	0.03	1.89	108.9	97.2	0	37	A	
SO4-- corr	0.83	0.21	2.52	282.5	97.2	0	37	A	
SO4--	0.85	0.22	2.58	290.0	97.2	0	37	A	

SK0006R STARINA SLOVAKIA

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.40	0.05	1.24	108.4	96.1	0	35	B	
Ca++	0.63	0.07	3.05	168.9	96.1	0	35	B	
Cl-	0.37	0.12	1.59	100.0	96.1	0	35	A	
Mg++	0.055	0.008	0.210	14.7	96.1	0	35	C	
NO3-	0.40	0.09	2.11	107.4	96.1	0	35	A	
pH	4.50	3.90	6.39	8545.3	96.1	0	35	A	
K+	0.15	0.06	1.49	41.3	96.1	0	35	D	
Precip	-	0.1	32.0	269.0	100.0	47	91		
Na+	0.21	0.04	0.70	56.2	96.1	0	35	A	
SO4-- corr	0.89	0.25	2.86	239.5	96.1	0	35	A	
SO4--	0.91	0.27	2.90	244.9	96.1	0	35	A	

TR0001R CUBUK II TURKEY

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.30	0.18	0.91	10.8	98.9	0	4	A	
Ca++	0.75	0.52	1.63	26.7	98.9	0	4	D	
Cl-	0.26	0.13	2.95	9.2	100.0	0	5	A	
Mg++	0.069	0.055	0.096	2.5	98.9	0	4	D	
NO3-	0.31	0.22	0.82	11.3	100.0	0	5	A	
pH	4.86	4.34	6.62	495.0	100.0	0	5	A	
K+	0.19	0.14	0.65	6.7	98.9	0	4	A	
Precip	-	0.0	14.9	35.9	65.6	54	59		
Na+	0.34	0.13	1.44	12.4	98.9	0	4	A	
SO4-- corr	1.09	0.08	3.88	39.2	100.0	0	5	A	
SO4--	1.12	0.15	3.93	40.2	100.0	0	5	A	

TR0001R CUBUK II TURKEY

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.42	0.06	0.82	66.6	99.4	0	21	A	
Ca++	1.95	0.24	7.78	312.0	99.4	0	21	D	
Cl-	0.40	0.04	5.25	64.3	99.9	0	23	A	
Mg++	0.158	0.026	0.703	25.3	99.4	0	21	D	
NO3-	0.31	0.12	2.24	50.2	99.9	0	23	A	
pH	5.39	4.57	6.93	655.5	99.9	0	23	A	
K+	0.18	0.03	1.91	29.2	99.4	0	21	A	
Precip	-	0.0	16.8	159.7	100.0	68	92		
Na+	0.31	-0.01	3.79	50.1	99.4	1	21	A	
SO4-- corr	0.79	0.41	2.46	125.4	99.9	0	23	A	
SO4--	0.81	0.42	2.59	129.4	99.9	0	23	A	

TR0001R CUBUK II TURKEY

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.40	0.12	0.77	15.5	100.0	0	8	A	
Ca++	2.50	0.35	16.96	97.0	100.0	0	8	D	
Cl-	0.29	0.07	2.72	11.2	100.0	0	8	A	
Mg++	0.172	0.034	0.532	6.7	100.0	0	8	D	
NO3-	0.34	0.17	2.04	13.0	100.0	0	8	A	
pH	5.80	5.32	7.05	62.2	100.0	0	8	A	
K+	0.25	0.09	3.40	9.8	100.0	0	8	A	
Precip	-	0.0	9.2	38.8	100.0	84	92		
Na+	0.31	0.01	1.18	11.8	100.0	0	8	A	
SO4-- corr	0.71	0.30	3.17	27.7	100.0	0	8	A	
SO4--	0.75	0.31	3.54	29.0	100.0	0	8	A	

TR0001R CUBUK II TURKEY

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
Precip	-	0.0	0.0	0.0	23.1	21	21		

YU0005R KAMENICKI VIS YUGOSLAVIA

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.44	0.12	1.14	47.9	100.0	0	25	B	
Ca++	1.97	0.41	17.94	216.0	45.6	0	11	B	
Cl-	2.46	0.59	10.42	270.1	99.4	0	24	D	
Mg++	0.295	0.100	1.860	32.5	45.6	0	11	B	
NO3-	0.77	0.51	1.12	84.4	100.0	0	25	C	
pH	5.45	5.01	7.22	393.5	100.0	0	25	A	
K+	0.60	0.20	1.91	65.5	45.6	0	11	A	
Precip	-	0.0	12.0	109.9	100.0	65	90		
Na+	2.68	1.66	5.69	294.9	40.1	0	10	A	
SO4-- corr	1.72	0.37	11.14	189.4	99.4	0	24	B	
SO4--	1.89	0.49	11.62	207.9	100.0	0	25	B	

YU0005R KAMENICKI VIS YUGOSLAVIA

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.61	0.19	1.47	87.2	99.4	0	27	B	
Ca++	2.12	0.41	21.01	303.1	98.7	0	26	B	
Cl-	1.30	0.28	5.44	186.3	95.6	0	22	D	
Mg++	0.374	0.090	2.330	53.6	98.7	0	26	B	
NO3-	0.64	0.23	1.12	92.1	99.4	0	27	C	
pH	5.18	3.95	7.25	935.7	99.4	0	27	A	
K+	0.76	0.10	7.70	109.3	98.7	0	26	A	
Precip	-	0.0	22.2	143.2	100.0	62	92		
Na+	2.10	0.39	10.35	300.9	98.7	0	26	A	
SO4-- corr	1.82	0.43	7.77	261.1	98.7	0	26	B	
SO4--	2.01	0.49	8.25	287.3	99.4	0	27	B	

YU0005R KAMENICKI VIS YUGOSLAVIA

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.49	0.27	0.74	76.1	97.5	0	15	B	
Ca++	0.84	0.21	2.93	129.7	97.2	0	15	B	
Cl-	0.96	0.28	2.98	148.6	97.5	0	15	D	
Mg++	0.120	0.030	0.450	18.6	97.2	0	15	B	
NO3-	0.57	0.42	1.02	88.9	97.9	0	16	C	
pH	5.11	4.83	7.20	1213.3	97.9	0	16	A	
K+	0.19	0.10	1.02	29.8	97.2	0	15	A	
Precip	-	0.0	54.8	155.0	100.0	67	92		
Na+	0.79	0.12	4.80	121.8	97.2	0	15	A	
SO4-- corr	0.75	0.15	4.48	116.3	97.9	0	16	B	
SO4--	0.82	0.27	4.88	126.8	97.9	0	16	B	

YU0005R KAMENICKI VIS YUGOSLAVIA

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.49	0.06	1.51	162.4	98.9	0	38	B	
Ca++	0.69	0.11	4.53	231.3	98.6	0	37	B	
Cl-	0.85	0.08	7.72	283.0	96.4	0	32	D	
Mg++	0.094	0.010	0.850	31.4	98.6	0	37	B	
NO3-	0.67	0.29	1.09	223.1	98.9	0	38	C	
pH	5.09	3.90	7.75	2728.0	98.9	0	38	A	
K+	0.25	0.01	1.67	82.7	98.6	0	37	A	
Precip	-	0.0	33.5	333.1	100.0	47	91		
Na+	0.78	0.08	12.83	259.1	98.6	0	37	A	
SO4-- corr	1.17	0.26	6.84	390.9	98.6	0	37	B	
SO4--	1.25	0.27	7.23	415.8	98.9	0	38	B	

YU0008R ZABLJAK YUGOSLAVIA

December 1997 - February 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.44	0.03	1.11	101.7	96.6	0	23	B	
Ca++	0.25	0.01	0.93	58.3	46.6	0	10	B	
Cl-	0.39	0.05	2.01	90.0	96.6	0	23	D	
Mg++	0.080	0.010	0.260	18.6	46.6	0	10	B	
NO3-	0.39	0.25	0.83	90.7	96.6	0	23	C	
pH	5.45	4.90	6.10	820.6	96.6	0	23	A	
K+	0.14	0.02	0.59	32.7	46.6	0	10	A	
Precip	-	0.0	39.7	232.7	100.0	51	90		
Na+	1.25	0.04	3.30	290.9	46.6	0	10	A	
SO4-- corr	0.32	0.05	2.02	74.8	96.6	0	23	B	
SO4--	0.36	0.16	2.14	84.1	96.6	0	23	B	

YU0008R ZABLJAK YUGOSLAVIA

March 1998 - May 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.36	0.06	1.07	151.4	98.9	0	39	B	
Ca++	1.77	0.12	19.32	743.0	98.2	0	37	B	
Cl-	1.20	0.05	4.76	504.9	97.5	0	35	D	
Mg++	0.271	0.030	1.430	113.5	98.2	0	37	B	
NO3-	0.48	0.24	1.09	201.9	98.9	0	39	C	
pH	6.01	4.46	8.19	408.9	98.9	0	39	A	
K+	0.22	0.02	1.96	92.3	98.2	0	37	A	
Precip	-	0.0	44.5	419.2	100.0	38	92		
Na+	2.23	0.05	7.90	934.8	98.2	0	37	A	
SO4-- corr	0.93	0.16	6.05	390.2	98.6	0	38	B	
SO4--	1.10	0.27	6.27	459.0	98.6	0	38	B	

YU0008R ZABLJAK YUGOSLAVIA

June 1998 - August 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.62	0.03	1.58	101.5	98.9	0	22	B	
Ca++	1.64	0.27	11.70	267.0	98.9	0	22	B	
Cl-	0.97	0.08	4.72	158.4	94.8	0	20	D	
Mg++	0.255	0.090	1.200	41.6	98.9	0	22	B	
NO3-	0.50	0.11	1.11	81.1	98.9	0	22	C	
pH	5.68	4.75	7.04	337.6	98.9	0	22	A	
K+	0.80	0.05	8.18	130.9	98.9	0	22	A	
Precip	-	0.0	29.7	162.8	100.0	64	92		
Na+	2.12	0.89	5.71	345.6	98.9	0	22	A	
SO4-- corr	0.95	0.02	4.06	154.3	98.9	0	22	B	
SO4--	1.09	0.27	4.29	177.0	98.9	0	22	B	

YU0008R ZABLJAK YUGOSLAVIA

September 1998 - November 1998

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num sampl	QA flag	Samp flag
NH4+	0.22	0.03	1.54	154.6	99.2	0	41	B	
Ca++	0.57	0.11	4.37	392.3	99.2	0	41	B	
Cl-	1.12	0.05	5.21	766.3	98.8	0	39	D	
Mg++	0.083	0.010	0.730	57.1	99.2	0	41	B	
NO3-	0.56	0.08	1.12	382.2	99.2	0	41	C	
pH	5.58	4.87	7.36	1808.2	99.2	0	41	A	
K+	0.16	0.01	3.37	112.5	99.2	0	41	A	
Precip	-	0.0	93.4	687.0	98.9	40	90		
Na+	0.85	0.02	8.38	583.0	99.2	0	41	A	
SO4-- corr	0.47	0.17	4.24	323.6	99.2	0	41	B	
SO4--	0.53	0.27	4.52	365.8	99.2	0	41	B	

Annex 6

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Annex 7

EMEP Data Quality Objectives (DQO)

10 % accuracy or better for oxidized sulphur and oxidized nitrogen in single analysis in the laboratory,

15 % accuracy or better for other components in the laboratory,

0.05 units for pH,

15–25 % uncertainty for the combined sampling and chemical analysis (components to be specified later),

90 % data completeness of the daily values.

The targets, with respect to accuracy in the laboratory, for the very lowest concentrations of the main components in precipitation follow the WMO GAW (1992) recommendations for regional stations:

	Accuracy	
SO_4^{2-}	0.032 mg S/l	(1 µmol/l)
NO_3^-	0.014 mg N/l	(1 µmol/l)
NH_4^+	0.028 mg N/l	(2 µmol/l)
Cl^-	0.107 mg Cl/l	(3 µmol/l)
Ca^{2+}	0.012 mg Ca/l	(0.3 µmol/l)
K^+	0.012 mg K/l	(0.3 µmol/l)
Mg^{2+}	0.007 mg Mg/l	(0.3 µmol/l)
Na^+	0.007 mg Na/l	(0.3 µmol/l)

The targets for the wet analysis of components extracted from air filters are the same as for precipitation. For SO_2 the limit above for sulphate is valid for the medium volume method with impregnated filter. For NO_2 determined as NO_2^- in solution the accuracy for the lowest concentrations is 0.01 mg N/l.

The aim for data completeness is valid for the current definition used by the CCC. This definition will, however, be harmonised with the WMO GAW definition and modified.

It is understood that there is a need to investigate additional uncertainty caused by local influence on the measurements at the sites (not representative siting).

It may be necessary to reconsider the DQO for volatile organic components (VOC), persistent organic pollutants (POP), and trace metals (HM).