List of abbreviations and explanatory notes

Tabular part of air pollution characteristics

Tables:

Summary overviews of limit values exceedances according to Clean Air Act No. 201/2012 Coll. and max. values at stations of the Czech Republic in 2022

bold – exceedance of air pollution limits LV (the condition of the tolerated number of exceedances TE needn't be fulfilled) assuming that the data fulfil the requirements for validity of data for calculation of the annual air pollution characteristics

dark grey background – exceedance of air pollution limits LV incl. the condition of the tolerated number of exceedances TE assuming that the data fulfil the requirements for validity of data for calculation of the annual air pollution characteristics

Organizations

Abbreviation	Organization
Amt der NÖ	Amt der NÖ Landesregierung Abteilung BD4
AOL	Amt der Oberosterreichischen Landesregierung
Českomorav	Ceskomoravsky cement a.s.
ČEZ	ČEZ, a.s.
ČGS	Czech Geological Survey
ČHMÚ	Czech Hydrometeorological Institute
ČHMÚ,MSK	Czech Hydrometeorological Institute, Moravian-Silesian Region
GIOS	Główny Inspektorat Ochrony Środowiska
GLÚ AV ČR	Institute of Geology of the Academy of Sciences of the Czech Republic
HBÚ AV ČR	Hydrobiological Institute of the Academy of Sciences of the Czech Republic
Inst of Me	Institute of Meteorology and Water Management
Letiště Pr	Letiste Praha, s.r.o.
LfULG	State Authority for the Environment and Geology, Dresden,FRG
MHRA	City of Hranice
MOTRO	City of Otrokovice
MPl	City of Plzen
MSTE	City of Steti
MSW	Magistrat der Stadt Wien
MŠUM	City of Sumperk
MÚRO	Rožnov pod Radhoštěm City Council
MÚVB	Velká Bystřice City Council
MZLl	City of Zlin
OLOŠ	Village of Loštice
ONOS	Village of Nošovice
ORGREZ	ORGREZ, a.s.
SHMÚ	Slovak Hydrometeorological Institute
SMBrno	Statutory City of Brno
SMTř.	Statutory City of Trinec
Stř. kraj	Central Bohemia Region
ÚH AV ČR	Institute of Hydrodynamics AS CR
UVGZ AV ČR	Global Change Research Institute AS CR, v.v.i.
VČs	Vapenka Certovy schody, a.s.
VÚLHM	Forest Management and Gamekeeping Research Institute
ZÚ Ústí nL	Health Institute Usti n/L
ZÚ, MSK	ZU, MSK
ZÚ, SMHa	ZU, Statutory City of Havirov
ZÚ, SMOva	ZU, Statutory City of Ostrava
ZÚ-Ostrava	Health Institute Ostrava
ZÚUstí/SZÚ	Health Institute Usti n/LNational Health Institute

Measured substances and quantities – air pollution

Abbreviation	Measured substance / quantity
A	anthracene
AC	acenaphthene
ACET	acetylene
ACL	acenaphthylene
alpha_HCH	alpha-HCH
As	arsenic
BaA	benzo(a)anthracene
BaP	benzo[a]pyrene
BbF	benzo(b)fluoranthene
BC	black carbon
BC1	black carbon 1
BC10	black carbon 10
BC2	black carbon 2
BC3	black carbon 3
BC4	black carbon 4
BC5	black carbon 5
BC6	black carbon 6
BC7	black carbon 7
BC8	black carbon8
BC9	black carbon9
BeP	benzo(e)pyren
beta_HCH	beta-HCH
BghiPRL	benzo(g,h,i) perylene
BjF	benzo(j)fluoranthene
BkF	benzo(k)fluoranthene
BT13	1,3 butadien
BZN	Benzene
BZN_ac	Benzene_expanded accuracy
BZN_pr	benzene_expanded precision
Ca(2+)	calcium ions
Cd	cadmium
CDw	drag coefficient
Cl(-)	chloride ions
Co	carbon monoxide
CO	carbon monoxide
COR	coronen
CP	cyclopentane
Cr	chromium
CT	structure constant of temperature CT2
Cu	copper
DBahA	dibenzo(a,h)anthracene
delta_HCH	delta-HCH
diffc	diffusion c1ass (1 or A: unstable … 6 or F: stable) derived from parameterized n
dir	mean horizontal wind direction, vector average
Dir1_L1_l	number of large vehicles in direction 1 and lane 1
Dir1_L1_m	number of medium-sized vehicles in direction 1 and lane 1

Abbreviation	Measured substance / quantity
Dir1_L1_s	number of small vehicles in direction 1 and lane 1
Dir1_L1_x	number of very large vehicles in direction 1 and lane 1
Dir1_L2_l	number of large vehicles in direction 1 and lane 2
Dir1_L2_m	number of medium-sized vehicles in direction 1 and lane 2
Dir1_L2_s	number of small vehicles in direction 1 and lane 2
Dir1_L2_x	number of very large vehicles in direction 1 and lane 2
Dir1_L3_l	number of large vehicles in direction 1 and lane 3
Dir1_L3_m	number of medium-sized vehicles in direction 1 and lane 3
Dir1_L3_s	number of small vehicles in direction 1 and lane 3
Dir1_L3_x	number of very large vehicles in direction 1 and lane 3
Dir2_L1_l	number of large vehicles in direction 2 and lane 1
Dir2_L1_m	number of medium-sized vehicles in direction 2 and lane 1
Dir2_L1_s	number of small vehicles in direction 2 and lane 1
Dir2_L1_x	number of very large vehicles in direction 2 and lane 1
Dir2_L2_l	number of large vehicles in direction 2 and lane 2
Dir2_L2_m	number of medium-sized vehicles in direction 2 and lane 2
Dir2_L2_s	number of small vehicles in direction 2 and lane 2
Dir2_L2_x	number of very large vehicles in direction 2 and lane 2
DMB22	2,2-dimethylbutane
DMB23	2,3 dimethylbutane
EBZN	ethylbenzene
EBZN_ac	ethylbenzene_expanded accuracy
EBZN_pr	ethylbenzene_expanded precision
EC	elemental carbon
EC_unc	elemental carbon_ uncertainty
ETAN	ethane
ETAN_ac	ethane_expanded accuracy
ETAN_pr	ethane_expanded precision
ETEN	ethene
ETEN_ac	ethene_expanded accuracy
ETEN_pr	ethene_expanded precision
ETYN	ethyn
ETYN_ac	ethye_expanded accuracy
ETYN_pr	ethyne_expanded precision
F_010_020	numbers of particles 10-20 nm
F_020_030	numbers of particles 20-30 nm
F_030_050	numbers of particles 30-50 nm
F_050_070	numbers of particles 50-70 nm
F_070_100	numbers of particles 70-100 nm
F_100_200	numbers of particles 100-200 nm
F_200_800	numbers of particles 200-800 nm
Fe	iron
Fen	phenanthrene
FID00172	Paticle number concentration - size channel from 172 to 184 nm
FID00184	Paticle number concentration - size channel from 184 to 198 nm
FID00198	Paticle number concentration - size channel from 198 to 213 nm
FID00213	Paticle number concentration - size channel from 213 to 229 nm
FID00229	Paticle number concentration - size channel from 229 to 246 nm

Abbreviation	Measured substance / quantity
FID00246	Paticle number concentration - size channel from 246 to 264 nm
FID00264	Paticle number concentration - size channel from 264 to 284 nm
FID00284	Paticle number concentration - size channel from 284 to 305 nm
FID00305	Paticle number concentration - size channel from 305 to 328 nm
FID00328	Paticle number concentration - size channel from 328 to 352 nm
FID00352	Paticle number concentration - size channel from 352 to 379 nm
FID00379	Paticle number concentration - size channel from 379 to 407 nm
FID00407	Paticle number concentration - size channel from 407 to 437 nm
FID00437	Paticle number concentration - size channel from 437 to 470 nm
FID00470	Paticle number concentration - size channel from 470 to 505 nm
FID00505	Paticle number concentration - size channel from 505 to 543 nm
FID00543	Paticle number concentration - size channel from 543 to 583 nm
FID00583	Paticle number concentration - size channel from 583 to 627 nm
FID00627	Paticle number concentration - size channel from 627 to 674 nm
FID00674	Paticle number concentration - size channel from 674 to 724 nm
FID00724	Paticle number concentration - size channel from 724 to 778 nm
FID00778	Paticle number concentration - size channel from 778 to 836 nm
FID00836	Paticle number concentration - size channel from 836 to 898 nm
FID00898	Paticle number concentration - size channel from 898 to 965 nm
FID00965	Paticle number concentration - size channel from 965 to 1037 nm
FID01037	Paticle number concentration - size channel from 1037 to 1198 nm
FID01198	Paticle number concentration - size channel from 1198 to 1383 nm
FID01383	Paticle number concentration - size channel from 1383 to 1486 nm
FID01486	Paticle number concentration - size channel from 1486 to 1597 nm
FID01597	Paticle number concentration - size channel from 1597 to 1717 nm
FID01717	Paticle number concentration - size channel from 1717 to 1845 nm
FID01845	Paticle number concentration - size channel from 1845 to 1982 nm
FID01982	Paticle number concentration - size channel from 1982 to 2130 nm
FID02130	Paticle number concentration - size channel from 2130 to 2289 nm
FID02289	Paticle number concentration - size channel from 2289 to 2460 nm
FID02460	Paticle number concentration - size channel from 2460 to 2643 nm
FID02643	Paticle number concentration - size channel from 2643 to 2841 nm
FID02841	Paticle number concentration - size channel from 2841 to 3053 nm
FID03053	Paticle number concentration - size channel from 3053 to 3280 nm
FID03280	Paticle number concentration - size channel from 3280 to 3525 nm
FID03525	Paticle number concentration - size channel from 3525 to 3788 nm
FID03788	Paticle number concentration - size channel from 3788 to 4071 nm
FID04071	Paticle number concentration - size channel from 4071 to 4374 nm
FID04374	Paticle number concentration - size channel from 4374 to 4701 nm
FID04701	Paticle number concentration - size channel from 4701 to 5051 nm
FID05051	Paticle number concentration - size channel from 5051 to 5833 nm
FID05833	Paticle number concentration - size channel from 5833 to 6268 nm
FID06268	Paticle number concentration - size channel from 6268 to 6736 nm
FID06736	Paticle number concentration - size channel from 6736 to 7239 nm
FID07239	Paticle number concentration - size channel from 7239 to 7779 nm
FID07779	Paticle number concentration - size channel from 7779 to 8359 nm
FID08359	Paticle number concentration - size channel from 8359 to 8983 nm
FID08983	Paticle number concentration - size channel from 8983 to 9653 nm

Abbreviation	Measured substance / quantity
FID09653	Paticle number concentration - size channel from 9653 to 10373 nm
FID10373	Paticle number concentration - size channel from 10373 to 11147 nm
FID11147	Paticle number concentration - size channel from 11147 to 11979 nm
FID11979	Paticle number concentration - size channel from 11979 to 12872 nm
FID12872	Paticle number concentration - size channel from 12872 to 13833 nm
FID13833	Paticle number concentration - size channel from 13833 to 14865 nm
FID14865	Paticle number concentration - size channel from 14865 to 15974 nm
FID15974	Paticle number concentration - size channel from 15974 to 17165 nm
FID17165	Paticle number concentration - size channel above 17165 nm
Fl	fluorene
Flu	fluoranthene
gamma_HCH	gamma-HCH
GLRD	global radiation
h	relative air humidity (h. of air)
H2S	(sulphuretted hydrogen) hydrogen sulphide
HCB	hexachlorbenzene
hf	(hydrofluoric acid) hydrogen fluoride
Hg	mercury
Hg0	gaseous mercury
HCH	hexachlorcyclohexane
CHEX	cyclohexane
Chry	chrysene
I_OKT	i-octane
I123cdP	indeno(1,2,3,-cd) pyrene
IBUT	i-butane
INDX	Index of Air Quality Pollution
IPEN	i-pentane
ISOP	isoprene
K(+)	potassium ions
LDSA	Lung Deposited Surface Area
MB2	2-methylbutane
MB2_ac	2-methylbutane_expanded accuracy
MB2_pr	2-methylbutane_expanded precision
MCPT	methyl cyclopentane
METAN	methane
mf	vertical momentum flux
Mg(2+)	magnesium ions
mgust	max. wind gust (derived for a 3 s period) within the averaging interval
MH23	2+3 methylhexane
MHP23	2+3 methylheptane
Mn	manganese
MOs	Monin Obukhov stability
MP23	2+3 methylpentane
MPR2	2-methylpropane
MPR2_ac	2-methylpropane_expanded accuracy
MPR2_pr	2-methylpropane_expanded precision
MPXY	m,p-xylene
MPXY_ac	m,p-xylene_expanded accuracy

Abbreviation	Measured substance / quantity
MPXY_pr	m,p-xylene_expanded precision
N	naphtalene
N_OKT	n-octane
Na(+)	sodium ions
NBUT	n-butane
NBUT_ac	n-butane_expanded accuracy
NBUT_pr	n-butane_expanded precision
NBV-in	number of passing big vehicles - to the centre
NBV-out	number of passing big vehicles - from the centre
NEBV-in	number of passing extra big vehicles - to the centre
NEBV-out	number of passing extra big vehicles - from the centre
NH4(+)	ammonium ions
NHEP	n-heptane
NHEP_ac	n-heptane_expanded accuracy
NHEP_pr	n-heptane_expanded precision
NHEX	n- hexane
NHEX_ac	n- hexane_expanded accuracy
NHEX_pr	n- hexane_expanded precision
Ni	nickel
NMV-in	number of passing middle-sized vehicles - to the centre
NMV-out	number of passing middle-sized vehicles - from the centre
NO	nitrogen monoxide
NO_unc	nitrogen monoxide_uncertainty
NO2	nitrogen dioxide
NO2_unc	nitrogen dioxide_uncertainty
NO3(-)	nitrate ions
NONN	nonane
NOx	nitrogen oxides
NPEN	n-pentane
NPEN_ac	n-pentane_expanded accuracy
NPEN_pr	n-pentane_expanded precision
nrb	parameterized radiation balance, derived from turbulent heat flux hf
NSV-in	number of passing small vehicles - to the centre
NSV-out	number of passing small vehicles - from the centre
O3	ozone
O3_230m	ozone 230m above terrain
O3_50m	ozone 50m above terrain
O3_8m	ozone 8m above terrain
OC	organic carbon
OC_neg	organic carbon_negative
OC_peak1	organic carbon_peak1
OC_peak2	organic carbon_peak2
OC_peak3	organic carbon_peak3
OC_peak4	organic carbon_peak4
OC_pos	organic carbon_positive
OC_Pyr	organic carbon_fraction
OC_unc	elemental carbon_ uncertainty
OC_unc_neg	organic carbon_uncertainty_negative

Abbreviation	Measured substance / quantity
OC_unc_pos	organic carbon_uncertainty_positive
OXY	o-xylene
OXY_ac	o-xylene_expanded accuracy
OXY_pr	o-xylene_expanded precision
p	phosphorus
PAHs	polycyclic aromatic hydreocarbons -
PAHs_TEQ	toxic equivalent of sum PAHs
Pb	lead
PCB101	PCB101
PCB118	PCB118
PCB138	PCB138
PCB153	PCB153
PCB180	PCB180
PCB28	PCB28
PCB52	PCB52
PCBs	polychlorinated biphenyls - sum
PeCB	pentachlorbenzene
phsig	std. dev. of vertical wind direction
PIC	picene
PM1	fine particles PM1
PM10	particles PM10
PM2,5	fine particles PM2.5
pp_DDD	p,p'-DDD
pp_DDE	p,p'-DDE
pp_DDT	p,p'-DDT
PRL	perylene
PRPA	propane
PRPA_ac	propane_expanded accuracy
PRPA_pr	propane_expanded precision
PRPE	propene
PRPE_ac	propene_expanded accuracy
PRPE_pr	propane_expanded precision
psig	std. dev. of mean wind component parallel to the mean 3-dimensional wind vector
Pyr	pyrene
qsig	std. dev. of horizontal mean wind component perpendicular to the mean 3-dimensio
RAD_A	RAD_A
RAD_B	RAD_B
RAD_C	RAD_C
RAIN	precipitation amount (rain am.)
RET	retene
rsig	std. dev. of mean wind component perpendicular and vertical to the mean 3-dimens
SBUT	sum of butene
sdir	mean horizontal wind direction, scalar average
Se	selenium
SNH4	sum of ammonium ions
SNO3	sum of nitrate ions

Abbreviation	Measured substance / quantity
SO2	sulphur dioxide
SO4(2-)	sulphate - particles
SPM	suspended particulate matter
SPTN	sum of pentene
STMB	sum of trimethylbenzen
STYR	styrene
suma UFP	sum of UFP 01-08 (7-800 nm)
svel	mean horizontal wind speed, scalar average
T	temperature (unspecificated)
T10m	temperature 10m above terrain
T2m	temperature 2m above terrain
T4m	temperature 3,5-4m above terrain
Tak	sonic temperature as measured, not corrected for crosswind component or humidity
TC	total carbon
TC_unc	total carbon_uncertainty
thsig	std. dev. of horizontal wind direction
Ti	titanium
TLN	toluene
TLN_ac	toluene_expanded accuracy
TLN_pr	toluene_expanded precision
tp	std. dev. of mean wind component parallel to the mean 3-dimensional wind vector
tq	std. dev. of horizontal mean wind component perpendicular to the mean 3-dimensio
tr	std. dev. of mean wind component perpendicular and vertical to the mean 3-dimens
TRS	total reduced sulphur
Tsig	std. dev. of sonic temperature
Tstar	characteristic temperature T*
Ttot	total numbers of particles
u	uranium
UFP_01	UFP_01 (7-10 nm)
UFP_02	UFP_02 (10-20 nm)
UFP_03	UFP_03 (20-30 nm)
UFP_04	UFP_04 (30-50 nm)
UFP_05	UFP_05 (50-70 nm)
UFP_06	UFP_06 (70-100 nm)
UFP_07	UFP_07 (100-200 nm)
UFP_08	UFP_08 (200-800 nm)
ustar	friction velocity u•
v	vanadium
V	vanadium
vel	mean horizontal wind speed, vector average
w	wolfram
WD	wind direction
WDm	short-term wind direction maximum
WV	wind velocity
WVm	short-term wind velocity maximum

Abbreviation	Measured substance / quantity
x	mean wind component along x-axis of sensor head
xsig	std. dev. of mean wind component along x-axis of sensor head
xTcov	covariance of x and T
xycov	covariance of x and y
XYs	sum of xylens
xzcov	covariance of x and z
y	yttrium
ysig	std. dev. of mean wind component along y-axis of sensor head
yTcov	covariance of y and T
yzcov	covariance of y and z
z	mean wind component along z-axis (vertical) of sensor head
Zn	zinc
zsig	std. dev. of mean wind component along z-axis (vertical) of sensor head
zTcov	covariance of z and T

Measured substances and quantities – chemical composition of atmospheric precipitation

Abbreviation	Measured substance / quantity
A	anthracene
Ac	acenaphthene
Acl	acenaphthylene
Al	aluminium
alk.	alkalinity
alpha_HCH	alpha-HCH
As	arsenic
BaA	benzo(a)anthracene
BaP	benzo(a)pyrene
BbF	benzo(b)fluoranthene
beta_HCH	beta-HCH
BghiPRL	benzo(g,h,i) perylene
BkF	benzo(k)fluoranthene
Ca	calcium
Ca(2+)	calcium ions
Cd	cadmium
Cl(-)	chloride ions
Co	cobalt
cond	conductivity
Cox	oxidizable carbon
Cr	chromium
CRY	chrysene
Cu	copper
DBahA	dibenzo(a,h)anthracene
delta_HCH	delta-HCH
DN	dissolved nitrogen
DOC	Dissolved organic carbon
F(-)	fluoride ions
Fe	iron
FEN	phenanthrene
Fl	fluorene
FLU	fluoranthene
gamma_HCH	gamma-HCH
HCB	hexachlorbenzene
HCO3(-)	hydrogen carbonate ions
Hg	mercury
I123cdP	ideno(1,2,3,-cd) pyrene
iont.bil.	ion balance
K	potassium
K(+)	potassium ions
Li	lithium
Mg	magnesium
Mg(2+)	magnesium ions
Mn	manganese
N	naphtalene
Na	sodium

Abbreviation	Measured substance / quantity
Na(+)	sodium ions
NH4(+)	ammonium ions
Ni	nickel
N-NH4(+)	nitrogen from NH4(+)
NO3(-)	nitrate ions
N-ox	sum nitrogen from NO2(-) and NO3(-)
N-sum	total nitrogen
P_PO4	phosphates expressed as a phosphorus
Pb	lead
PCB101	PCB101
PCB118	PCB118
PCB138	PCB138
PCB153	PCB153
PCB180	PCB180
PCB28	PCB28
PCB52	PCB52
pH	pH
pp_DDD	p,p'-DDD
pp_DDE	p,p'-DDE
pp_DDT	p,p'-DDT
pr	flow
P-sum	total phosphorus
PYR	pyrene
rain	precipitation amount
Se	selenium
SO4(2-)	sulphate - ions
Sr	strontium
TOC	total organic carbon
V	vanadium
voddif	difference of conductivities
Zn	zinc

Measuring methods – air pollution

Abbreviation	Method
AAS	atomic absorption spectrometry
AFS	low-temperature gas atomic fluorescence spectrometry
APRESS	atmospheric pressure measurement
ATN	optical attennuation
CAP	capacitance sensor
CPC	condensation particle counter
CHLM	chemiluminescence
ELMAG	electromagnetic method
GC-FID	gas chromatography - flame-ionization detection
GC-MS	gas chromatography - mass spectroscopy (for PAH)
GC-MS/PUF	gas chromatography - mass spectroscopy (only PUF)
GC-MS/Q+P	gas chromatography - mass spectroscopy (sum of PUF, QUARTZ)
GC-MS/QUA	gas chromatography - mass spectroscopy (only QUARTZ)
GC-PID	gas chromatography - photo-ionization detection
GC-VOC	gas chromatography - volatile org. compounds
GRV	gravimetry
HAIR	hair hygrometer
HD_FID	Heat decomposition_FID
HD_NDIR	Heat decomposition_NDIR
HPLC	high pressure liquid chromatography
HPLC-FL	High perfomace liquid chromatography with fluorescence detector
IC	ion chromatography
ICP-MS	inductively coupled plasma - mass spectrometry
ICP-OES	inductively coupled plasma - optical emission spectrometry
IRABS	IR corel. absorption spectrometry
MSZ	microwave sensor
OPEL	optoelectronic method
OPTO-RADIO	opto-radiometric method
PT100	resistance method
RAD	dosimeter
RADIO	radiometry - beta ray absorption
RAIN	standard rain gauge
SMA-BERTH	Spectrophotometry, SMA-BERTH
SMPS	Scaning Mobility Particle Sizer
TDM	temperature difference method
TEOM	tapered element oscillating microbalance (TEOM)
U-SONIC	ultrasonic anemometer
UVABS	UV-absorption
UVFL	UV-fluorescence

Measuring methods – chemical composition of atmospheric precipitation

Abbreviation	Method
AAS	atomic absorption spectrometry
CLD	chemiluminescence detection
EC metr	EC metry
FAAS	flame atomic absorption apectrometry
FIA	flow analysis and spectrometric detection
GF-AAS	graphite furnace atomic absorption spectrometry
GCH-MS	Gas chrometography-mass spectroscopy
Gran	Gran titration
HPLC	high performance liquid chromatography
IC	ion chromatography
ICP-MS	inductively coupled plasma - mass spectrometry
ICP-OES	inductively coupled plasma - optical emission spectroscopy
ISE	ion selective electrode
KOLAM	ammonium molybdate colorimetric method
KOLT	thiocyanate colorimetric method
KOLV	pyrokatechol violet colorimetry
NDIR	nondispersive infrared absorption
pH-metrie	pH meter
PMT	photometry
SFA	spectrophotometry
SMA-BERTH	Spectrophotometry, SMA-BERTH
TITRACE	TITRACE
TOC	Total organic carbon analyzer (shimadzu TOC-5000A)
TOC/TN	TOC/TN analysator
VOL	volumetric metod
W-HG-AFSFX	fluoride spectrometry-Hg

Measurement intervals – air pollution

Abbreviation	Description
1min / 1min	measured 1-min concentration
5min / 5min	measured 5-min. concentration
10min / 10min	measured 10-min. concentration
1h / 1h	measured hourly concentration
4h / 4h	measured 4-hour concentration
10min/ 4d	10-minute sample once in 4 days
1d / 1d	measured average daily concentration
1d / 2d	24-h sample once in 2 days
1d / 3d	24-h sample once in 3 days
1d / 6d	24-h sample once in 6 days
1d / 7d	24-h sample once in 7 days
7d / 7d	measured 7-day concentration
14d / 14d	measured 14-day concentration
irr	irregular measurement

Measurement intervals – chemical composition of atmospheric precipitation

Abbreviation	Description
irregular	irregular samples
1M	monthly samples
7d	weekly samples
1d	daily samples

Other abbreviations

Abbreviation	Description
4MV, 19MV, 25MV, 36MV	4^{th}, 19^{th}, 25^{th}, 36^{th} highest value in a calendar year for the given time interval
50%kv	50^{th} percentile
90%kv	90^{th} percentile
95%kv	95^{th} percentile
98%kv	98^{th} percentile
99.9%kv	99.9^{th} percentile
AIM	automated air pollution monitoring
AMS	automated monitoring station
C1q, C2q, C3q, C4q	number of values from which the arithmetic average is calculated for the given quarter
cond	measured sample conductivity
č.p.	absolute frequency of exceedance of IH_d
č.p.%	relative frequency of exceedance of IH_d
DAT.	date of occurrence of MAX.
dv	length of the longest continuous failure
h. s.	hot-spot station
KMPL	code of measuring programme in the given locality
LV	limit value
MAX.	hourly, 8-hour or daily maximum for the year
MAX8h	maximum daily 8-hour running average for the year
mc	monthly measurement frequency
MP	measuring programme
MSK	Moravian-Silesian Region
MT	margin of tolerance
N	number of measurements in the year
PA	alert threshold
PD	passive sampler
PI	information threshold
pLV	number of LV exceedances
pMT, pLV+MT	number of LV+MT exceedances
ppLV	average number of exceedances
rain	precipitation amount measured by the standard method directly at the sampling site or at a station that can be meteorologically considered to be representative for the given site
S	standard deviation
SG	standard geometric deviation
SRS	information, alert and control system
TE	tolerated number of exceedances
TK, HM	heavy metals
VoL	number of LV exceedances
VoM	number of LV+MT exceedances
X	annual arithmetic average
X1q, X2q, X3q, X4q	quarterly arithmetic average
XG	annual geometric average
Xm	monthly arithmetic average