

**National Air Pollution Monitoring Network: Measurement programme**

			EMEP GAW	EMEP				EMEP GAW				EMEP	EMEP GAW		EMEP	
Parameter	BAS	BER	BRM	CHA	DAV	DUE	HAE	JUN	LAU	LUG	MAG	PAY	RIG	SIO	TAE	ZUE
Sulphur dioxide (SO <sub>2</sub> )	X					X	X	X		X	X	X	X			X
Nitrogen oxides (NO <sub>x</sub> , NO <sub>2</sub> , NO)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
NO <sub>2</sub> selective methods			X					X				X	X			
Nitrous oxide (N <sub>2</sub> O)			X					X								
Ozone (O <sub>3</sub> )	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Carbon monoxide (CO)		X	X			X	X	X	X	X		X	X			X
Carbon dioxide (CO <sub>2</sub> )			XB				X	X				X	X			
Methane (CH <sub>4</sub> )			XB			X	X	X		X						X
Non-methane hydrocarbons						X				X						X
BTX (Benzene, Toluene, Xylene)		S	S			S										
VOC components <sup>1)</sup>			S					S								
Halogenated compounds <sup>1)</sup>								S								
Sulphur hexafluoride (SF <sub>6</sub> )								S								
Ammonia (NH <sub>3</sub> )			X									X			X	
Particulate matter PM10, HiVol	T	T	T	T		T	T	T	T	T	T	T	T	T	T	T
Particulate matter PM10, cont.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Particulate matter PM2.5, HiVol	T	T				T	T		T	T	T	T	T	T	T	T
Particulate matter PM2.5, cont.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Particle number concentration	X	X					X			X			X			
Aerosol size distribution																X
EBC in PM2.5	X	X				X	X			X	X	X	X			X
TC in PM2.5, cont.												S				
EC/OC in PM2.5	T	T				T	T			T	T	T	T			T
PAH in PM10	3M	3M	3M			3M	3M		3M	3M	3M	3M		3M	3M	3M
Pb, Cd, As, Ni, Cu in PM10	J	J	J	J		J	J	J	J	J	J	J	J	J	J	J
Cl <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , SO <sub>4</sub> <sup>2-</sup> in PM10								M		M		T	T			
Na <sup>+</sup> , K <sup>+</sup> , Ca <sup>2+</sup> , Mg <sup>2+</sup> in TSP												T	T			
Total dust fallout (DF)	J	J					J		J		J	J	J			J
Pb, Cd, Zn, Tl, As, Cu, Ni in DF	J	J					J		J		J	J	J			J
pH-value, conductivity (rain)											W	T	W			
Na <sup>+</sup> , NH <sub>4</sub> <sup>+</sup> , K <sup>+</sup> , Ca <sup>2+</sup> , Mg <sup>2+</sup> (rain)											W	T	W			
Cl <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , SO <sub>4</sub> <sup>2-</sup> (rain)											W	T	W			
Σ(NH <sub>3</sub> + NH <sub>4</sub> <sup>+</sup> ); Σ(HNO <sub>3</sub> + NO <sub>3</sub> <sup>-</sup> )												T	T			
NH <sub>3</sub> , NH <sub>4</sub> <sup>+</sup> , HNO <sub>3</sub> , NO <sub>3</sub> <sup>-</sup>			2W								2W	2W	2W			
Pressure	XA	X	X	XA	X	X	X	XA	X	XA	XA	XA	XA	X	XA	X
Temperature	XA	X	X	XA	X	X	X	XA	X	XA	XA	XA	XA	X	XA	X
Humidity	XA	X	X	XA	X	X	X	XA	X	XA	XA	XA	XA	X	XA	X
Wind	XA	X	XB	XA	X	X	X	XA	X	XA	XA	XA	X	XA	XA	X
Global radiation	XA	X	X	XA	X	X	X	XA	X	XA	XA	XA	X	XA	XA	X
Precipitation (autom.)	XA	X	X	XA	X	X	X		X	XA	XA	XA	X	XA	XA	X
Traffic volume		S					SA		S					SA		

X=10-minute means

S= Hourly means

T= Daily means

W= Weekly means

2W= Biweekly means

M= Monthly means

3M= Trimonthly means

J= Annual means

XA= 10-minute means (MeteoSwiss)

SA= Hourly means (FEDRO)

XB=10-minute means (University of Berne)

EMEP=European Monitoring and Evaluation Programme

GAW=Global Atmosphere Watch Programme

<sup>1)</sup>Specific components see „Technischer Bericht des NABEL“ (Empa und BAFU)

Gases

Particles

Deposition

N-Compounds

Meteo