

EMEP 33rd intercomparison of analytical methods - % deviation from expected value

Air and aerosols																				
Lab #	Absorbing solution				Impregnated filter				Impregnated filter				Absorbing solution				Impregnated filter			
	SO ₂ -S				SO ₂ -S				HNO ₃ -N				NO ₂ -N				NH ₃ -N			
	% deviation form expected value				% deviation form expected value				% deviation form expected value				% deviation form expected value				% deviation form expected value			
	A1	A2	A4	A5	B2	B3	B4	B5	B2	B3	B4	B5	C1	C2	C3	C4	J1	J2	J4	J5
3					62	21	28	51	-3	0	0	-1					1	-4	1	2
4					-11	0	1	-4	-7	-3	-7	-4					-5	-7	-6	-6
5					6	2	1	4	2	2	-3	4					-5	-3	-16	-4
6					-2	2	0	-5	2	-2	-1	1					1	-3	6	43
8					-6	-8	-9	-5	0	-5	-4	0	0	3	8	10	7	4	-3	-1
10									-2	5	-4	-3					3	3	0	0
12									9	12	8	10								
13																	9	6	0	0
15	3	0	5	7	-5	1	-11	-3	5	3	2	5	0	5	-9	-10	-2	-4	-4	-4
16					-3	-35	-40	-15	0	-3	-4	-3	4	8	-1	-4	-11	-12	-14	-10
19	-8	8	-11	-3													-7	5	-9	2
20	16	18	11	14	0	-1	0	0	0	-9	-6	-1	2	3	0	-3	-1	-2	1	-1
22					6	23	28	-8	12	19	14	13								
23													0	-1	-3	-2				
31					7	2	-3	4	4	-1	-1	5	0	-2	0	0	-6	-1	-17	-8
32					1	6	6	-2	3	3	-5	4	4	3	-1	2	-1	-1	-8	2
33					10	-4	0	12	2	-2	-2	-25	27	36	14	10	6	6	-2	-8
34	-51	-53	-44	-41	-46	-101	-29	154	18	13	35	11	-11	-32	-42	-34	-33	-52	-14	9
36					8	5	6	7	10	5	9	10					-3	-2	-10	-8
38					-11	-10	-19	-7	-7	-13	-21	-6					5	4	8	8
39					-7	-2	-3	-5	-6	-3	-10	-7	9	-6	-6	-7	-3	-1	-13	-4
42													37	108	-1	-11				
158					-5	-2	-4	-7	-5	-7	-4	-5					-9	-9	-12	-1
165																	11	7	6	-2
173	-4		-25	-17									-2	-2	-4	-5				
178	-8	-10	-8	-5	-16	-13	6	-16	13	1	14	11					102	141	183	192
182	1520	2348	1016	716	10	7	7	11	14	11	8	15	67	73	63	62				
183	-1	-2	2	2									0	1	3	0				
184	-12	-8	3	-4									2	1	0	1				
185													0	-2	0	3				
186													2	-2	1	3				
187	-85	25	-93	-22									-4	1	1	3				
188	-8	-5	3	-3									4	-2	3	6				
189	-10	-4	2	-3									-2	-4	1	0				
192	-4	-2	2	-1									-2	1	1	1				
193	-33	-40	-12	-18									-7	-6	-7	-6				
194													10	-3	0	-5				
195													-4	-4	-6	-6				
197	-22	-42	-13	-6									-2	-4	-4	-2				
198													6	-4	3	6				
200					2	-2	-3	-5	-2	-4	-5	-3	0	1	0	0	0	-3	-1	0
201													5	8	9	10				

Results between 10 and 20% or between -20 and -10% from expected value for Sample type A and C
more than ±20% from expected value

Results between 20 and 40% or between -40 and -20% from expected value for Sample type B and .
more than ±20% from expected value