



EMEP 35th 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			
	A2	A3	A4	A5	B2	B3	B4	B5	B2	B3	B4	B5	C1	C2	C3	C4	J1	J2	J3	J4
3					7	10	14	9	9	-2	3	9					-12	-7	-1	-10
4					-2	-6	-5	-5	-5	-7	-7	-3					-5	-2	2	-4
5					-2	2	0	3	1	2	1	3					-5	-2	1	-2
6					-3	-6	-8	-5	0	-3	-3	-1					4	-10	-10	3
8					4	2	3	0	3	-1	7	4					-3	2	6	-1
10	-5	-7	-18	-20	-12	3	4	0	20	16	14	33	5	6	7	8	0	-3	0	-1
15	0	2	-4	21	20	3	12	23	13	1	40	12	-4	-6	-12	-13	-6	-3	3	-4
16					3	-4	-3	1	5	0	1	3	2	4	3	2	-15	-13	-11	-13
19	-31	-36											4	4	1	2	-7	-41	32	-2
20	-4	-3	-3	-3	4	-3	0	1	-2	-5	-1	-5	0	1	2	4	-3	-5	0	-3
22					-35	-41	-41	-32	-56	-59	-58	-54								
23													-3	-4	-2	-1				
31					-1	4	2	-4	15	12	12	11	5	7	8	7	-9	4	19	-3
32					0	-5	-5	-2	0	-5	1	-3	10	11	7	6	0	0	8	1
33					-9	-10	-9	-10	-2	-3	-2	-4	5	5	3	5	-3	7	-10	-1
34	-6	-8	-9	7	8	7	14	11	8	7	13	7	-91	-82	-55	-45	-72	-18	-90	-96
36					1	-2	0	1	3	1	2	2					-4	-6	-3	-3
38					5	1	-4	0	1	0	-2	-1					-5	6	4	-3
39					-1	-5	-4	-1	0	-2	-1	-2	4	-1	2	2	-7	-5	3	-6
42													-46	-47	-55	-55				
158					-7	-3	-3	-5	-1	-1	0	-1					-3	-3	0	-2
178	-2	-3	7	-9	3	1	3	5	8	5	6	6								
183	-2	-4	-10	-13									-2	5	3	4				
184	1	-2											2	4	3	4				
185													1	1	1	3				
187													0	4	3	1				
188	2	-2											2	1	2	3				
189	-1	-2	-5	-12									1	2	2	4				
192													1	1	4	4				
193	3	8	25	7									4	3	2	5				
194	-3	43											5	9	9	9				
196	1	-1	5	3									0	2	0	1				
197													0	5	0	3				
198													1	2	4	4				
200					2	0	2	1	2	-1	1	2	5	6	6	5	-6	-3	0	-4
203	-2	0	-1	-4																
204	73	73											0	1	1	2				
206													2	3	4	5				


 Results between ±10-20% of the expected value for Sample A1 and A2 and sample type C
 more than ±20% of the expected value for Sample A1 and A2 and sample type C


 Results between ±20-40% of the expected value for Sample type B and J, and for sample A4 and A5
 more than ±40% of the expected value for sample type B and J, and for sample A4 and A5