



EMEP 36th 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	A3	A4	B1	B2	B4	B6	B1	B2	B4	B6	C1	C2	C3	C4	J1	J2	J3	J6
3					33	18	27	-15	2	-6	-1	-7					-3	-7	-5	4
4					-23	-13	-20	-23	-14	-12	-11	-13					-9	-10	-11	-7
5					17	9	12	21	6	3	4	7					-6	-6	-4	-6
6					-12	-10	-2	-13	-5	-4	-3	-6					10	19	53	1
8					-4	-2	-3	-6	-1	-4	0	0					8	5	6	2
10	3	0	1	2	28	9	20	21	5	-9	4	3	-7	-7	-3	-4	-10	-15	-4	-1
12													2	2	0	4				
15	1	0	-1	-2	-5	-9	-9	-13	3	-13	-1	-2	-14	-16	-18	-16	-4	-3	0	2
16					8	-4	2	9	-1	-17	-2	2	-4	-2	-5	-4	-5	2	-2	0
19	-50	-32	-22	-25									-4	-3	-4	-2	11	20	7	-1
20					-2	-5	-2	-2	-1	-1	-1	0	-2	-2	1	-3	2	0	1	-3
23													-2	-2	-1	-1				
31					29	8	49	50	-9	-6	8	-5	-6	-4	-1	-2	9	14	8	5
32					35	10	23	44	-11	-13	-9	-9	1	0	3	4	3	4	2	-5
33					-15	0	-3	-7	-3	-1	-3	-1	-1	0	-2	-1	-5	-3	1	2
34	-75	-75	-75	-75	-98	-98	-98	-98	-99	-99	-99	-99	-76	-76	-70	-73	-96	-96	-97	-96
38					-35	-22	-24	-38	-12	-11	-6	-13					13	8	11	6
39					11	-10	7	2	-6	-26	-3	-4	-4	-1	-3	-1	-15	-10	-11	-11
42													-25	-8	-8	7				
158					-20	-12	-17	-19	-2	-2	0	1					5	-4	0	-3
182					-91	-97	-93	-81	-95	-9	41	9	-33	-32	-40	-47	20	-26	-9	-6
183	-5	-4	-5	-2									-1	-1	-2	-1				
184													-2	-2	-2	-3				
185													-2	-2	-1	0				
186													2	1	2	3				
187													-3	-1	-1	-1				
188													-1	-1	-1	0				
189													-3	-2	0	-1				
192													-1	-1	-2	-2				
193	6	0	9	1									-2	1	2	0				
194	-4	25	1	-26									-6	2	-1	3				
197													-5	-1	1	0				
198													-2	0	0	-2				
200					-3	-2	-3	-2	-1	-4	-1	0	1	1	0	1	-7	-3	-4	-4
203													10	5	8	8				
206													2	2	5	2				


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


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