

# EMEP 34th intercomparison of analytical methods - % deviation from expected value

Lab #	Air and aerosols																			
	Absorbing solution				Impregnated filter				Impregnated filter				Absorbing solution				Impregnated filter			
	SO <sub>2</sub> -S				SO <sub>2</sub> -S				HNO <sub>3</sub> -N				NO <sub>2</sub> -N				NH <sub>3</sub> -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					23	20	0	3	5	15	8	14								
4					-2	1	-2	-9	-8	-2	-8	5					-7	-4	-5	-5
5					1	4	-5	8	0	6	-4	4					-2	-3	-3	-4
6					-6	-2	-12	4	-2	-4	-6	0					10	5	-2	-3
8					2	6	-2	7	24	6	-12	7	-1	2	0	0	0	1	55	0
10													-3	-5	-7	-7	-6	-12	-10	-20
12													2	1	10	11				
13																	24	27	25	26
15	-4	-4	-3	-2	9	13	-12	-3	6	9	13	-1	-14	-14	0	-5	5	1	20	-35
16					1	4	-7	-10	-3	4	-6	8	-4	-5	0	-1	-16	-11	-14	-13
19	-9	-6	-13	-9									-2	-2	-2	-3	-11	-1	-5	-2
20	-2	-2	-4	-2									-7	-5	-7	-5	-4	-2	-4	-3
23													-5	-5	-7	-9				
31					-8	-2	-12	-1	-4	3	-13	1	1	0	-3	-1	-25	-26	-36	-38
32					-4	0	-2	0	0	5	0	15	0	3	-3	0	-16	-14	-19	-20
33					5	7	-9	2	0	4	-7	0					-2	-2	1	2
36					-8	-3	-13	-1	-4	2	-3	10					-11	-10	-4	-6
38					-1	4	-7	4	-1	6	-2	6					5	6	2	2
39					-1	0	-11	0	-7	2	-4	3	0	0	3	-4	-4	-2	-3	-7
42													-71	-56	86	90				
158					-2	4	-6	9	0	8	3	13					-6	-1	-1	0
178	-4	-5	-6	-5	-5	-4	-11	0	-7	1	-2	4								
182					54	57	58	71	22	28	37	40	106	101	97	104	29	26	19	16
183	-4	-4	-6	-6									1	0	0	0				
184	-4	-7	-3	-8									-4	-2	-5	-4				
185													-3	-3	-3	-4				
186													-3	-2	-3	-3				
187													-5	-3	-8	-3				
188	-6	-4	-5	-5									-3	-3	-3	-4				
189	-5	-8	-4	-5									-4	-5	-3	-1				
192													-4	-3	-2	-4				
193	2	-7	-3	-5									0	2	3	4				
194	-5	-4	3	1									-2	-5	-5	-3				
197													-3	-2	0	-4				
198													-7	-6	-5	-3				
200					1	4	-3	-8	-3	-1	-3	2	1	2	2	1	-3	-1	-2	-2
203	12	-11	5	-12									-1	2	-5	-1				
204	9	18	71	-10									184	210	503	403				

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 J  
more than ±20% from expected value