



# EMEP 41st intercomparison of analytical methods - % deviation from expected value

Air and aerosols																
Lab #	Impregnated filter				Impregnated filter				Absorbing solution				Impregnated filter			
	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			
	B1	B2	B4	B6	B1	B2	B4	B6	C1	C2	C3	C4	J1	J2	J4	J5
3													16	13	14	11
4	5	-10	-10	-9	-6	-9	-9	-8					-1	0	-1	-4
5	6	1	0	0	1	2	1	0					-2	0	-3	-3
6	-13	-14	-13	-12	2	7	8	7					4	2	1	-1
8	-4	0	-1	-2	-3	-2	-2	-8					23	10	11	4
10	-14	-22	-24	-28	-19	-19	-21	-26					-8	-15	-6	-9
12									3	4	0	2				
15	0	2	1	1	2	1	1	0	-7	-7	-6	-7	-1	-6	-6	-7
16	-5	-1	-2	-4	7	4	3	0	-7	-5	-4	-5	-18	4	-9	-7
20	-1	-2	-1	-1	-2	-3	-5	-2	1	-1	-2	-1	4	4	4	2
22	-17	-13	-12	-14	2	-7	-5	12	41	44	38	42	79	-125	73	98
23	12	-5	-5	-5	-7	-7	-5	-7	-2	-1	-2	-1				
31	0	-2	-3	-6	-2	-4	0	-6	8	9	5	7	23	5	4	1
32	-1	1	0	0	-1	0	0	3	-5	-1	1	1	-16	-23	-21	-21
33	-13	-15	-14	-15	0	0	2	-1	-6	10	5	10	-6	-10	-11	-8
34	2	1	1	1	-2	0	2	2	4	7	14	8	-43	97	-19	-13
35	8	9	4	1	-1	-1	-1	-5					8	8	7	5
38	-1	-5	3	-6	-4	-2	0	-4					21	15	11	-13
39																
42									-9	-6	-4	-3				
110									-2	-1	0	0				
158	3	7	7	9	10	10	10	12					12	4	4	0
178	-15	-5	-4	-3	-9	7	1	-7		-13	-12	-15				
183									-2	-5	-7	-2				
184									-3	-3	-3	-2				
185									-4	-3	-2	-1				
187									1	0	0	1				
188									-5	-2	0	3				
189									-1	0	0	2				
193									0	2	0	5				
198									1	1	-2	1				
200									-1	0	1	1	5	0	0	1
201	-93	-39	-5	7					3	4	-2	2				
203									3	1	2	3				
208	-3	-2	-2	-3	1	-1	1	-1	-5	-3	-4	-4				


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