

# EMEP 38th 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	B3	B4	B1	B2	B3	B4	C1	C2	C3	C4	J2	J4	J5	J6
3													1	2	2	1
4	-13	-12	-9	-8	2	-12	-8	-15					-7	6	-3	-1
5	-2	-4	-1	-4	0	-3	-3	-1					-7	-10	-5	-2
6	2	-2	3	0	-6	-3	-1	-5					-8	-8	0	-5
8	5	2	2	-4	5	4	-1	2					10	11	0	1
10	-2	-11	-2	1	-4	-3	-2	4	-5	3	-4	-3	7	14	5	10
12									8	3	1	3				
15	0	2	2	1	5	9	1	14	13	12	12	10	4	0	-1	0
16	2	0	2	4	10	12	4	15	-5	-6	-5	-5	-3	0	-6	-6
19									-3	-5	-5	-5	-13	13	-27	-9
20	5	10	1	2	-2	-10	-8	-1	-5	-11	-6	-5	5	0	2	5
22	-87	-89	-89	-89	-94	-94	-94	-93	-17	-21	-59	-57				
23									-5	-4	-2	-2				
31	-7	2	0	-1	-13	-3	-8	-6	5	5	6	6	24	-10	-11	-10
32	-20	-13	-16	-19	-14	-18	-12	-3	3	6	1	2	-7	-2	2	-4
33	8	1	17	7	10	-11	15	32	20	20	9	9	0	-6	1	4
34	48	49	-19	55	285	371	131	362	-17	-9	-13	-9	-95	-35	-31	-26
38	-7	-14	-9	-4	-2	-1	-2	-1					0	6	6	2
39	0	0	-1	-4	5	4	8	3					-5	-5	-6	-1
158	-7	-14	-3	-2	1	0	6	-2					-2	-3	-3	0
178	3766	6249	3297	3331	4975	5203	4506	4046								
183									5	2	1	1				
188									0	0	-1	1				
198									3	2	-2	0				
192									0	0	-5	-2				
198									2	-2	-1	-1				
200	-3	-4	-4	-5	-3	5	-10	-5	-3	-3	-2	-2	3	0	1	3
201	165	271	156	215	-84	-85	-95	-94	2	-3	-1	-2				
203									12	9	3	9				
206									7	6	13	13				



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