

EMEP – 34th intercomparison of analytical methods

Laboratory 15, Norwegian Institute for Air Research NILU (Norway)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A2	SO ₂	0.771	0.802	0.779	0.039	-0.199	S
A3	SO ₂	0.807	0.842	0.794	0.02	0.639	S
A4	SO ₂	0.389	0.401	0.387	0.018	0.137	S
A5	SO ₂	0.432	0.441	0.416	0.016	1	S

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Please check the EMEP intercalibration website for more statistics, Youden plots, updated expected values ect: <http://www.nilu.no/projects/ccc/intercomparison.html>

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EMEP – 34th intercomparison of analytical methods

Laboratory 19, Centro Nacional de Sanidad Ambiental (Spain)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A2	SO ₂	0.73	0.802	0.779	0.039	-1.261	S
A3	SO ₂	0.79	0.842	0.794	0.02	-0.194	S
A4	SO ₂	0.35	0.401	0.387	0.018	-2.001	Q
A5	SO ₂	0.4	0.441	0.416	0.016	-1.016	S

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EMEP – 34th intercomparison of analytical methods

Laboratory 20, Swedish Environmental Research Institute IVL, Gothenburg (Sweden)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A2	SO ₂	0.784	0.802	0.779	0.039	0.138	S
A3	SO ₂	0.822	0.842	0.794	0.02	1.373	S
A4	SO ₂	0.384	0.401	0.387	0.018	-0.137	S
A5	SO ₂	0.433	0.441	0.416	0.016	1.063	S

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EMEP – 34th intercomparison of analytical methods

Laboratory 178, Environmental Chemistry and EANET Monitoring Laboratory, Limnological Institute RAS/SB, Irkutsk (Russian Federation)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A2	SO ₂	0.77	0.802	0.779	0.039	-0.225	S
A3	SO ₂	0.804	0.842	0.794	0.02	0.492	S
A4	SO ₂	0.378	0.401	0.387	0.018	-0.466	S
A5	SO ₂	0.417	0.441	0.416	0.016	0.055	S

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EMEP – 34th intercomparison of analytical methods

Laboratory 183, Public health institute Uzice (Republic of Serbia)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A2	SO ₂	0.773	0.802	0.779	0.039	-0.134	S
A3	SO ₂	0.805	0.842	0.794	0.02	0.565	S
A4	SO ₂	0.379	0.401	0.387	0.018	-0.438	S
A5	SO ₂	0.414	0.441	0.416	0.016	-0.102	S

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Laboratory 184, Institute for Public Health Pozarevac (Republic of Serbia)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A2	SO ₂	0.766	0.802	0.779	0.039	-0.328	S
A3	SO ₂	0.786	0.842	0.794	0.02	-0.389	S
A4	SO ₂	0.387	0.401	0.387	0.018	0.027	S
A5	SO ₂	0.405	0.441	0.416	0.016	-0.701	S

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Laboratory 188, Institute of Public Health - Krusevac (Republic of Serbia)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A2	SO ₂	0.757	0.802	0.779	0.039	-0.561	S
A3	SO ₂	0.81	0.842	0.794	0.02	0.785	S
A4	SO ₂	0.379	0.401	0.387	0.018	-0.411	S
A5	SO ₂	0.417	0.441	0.416	0.016	0.055	S

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Laboratory 189, Institute of Public Health - Kikinda (Republic of Serbia)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A2	SO ₂	0.761	0.802	0.779	0.039	-0.458	S
A3	SO ₂	0.774	0.842	0.794	0.02	-0.977	S
A4	SO ₂	0.384	0.401	0.387	0.018	-0.137	S
A5	SO ₂	0.421	0.441	0.416	0.016	0.307	S

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EMEP – 34th intercomparison of analytical methods

Laboratory 193, Institute of Public Health of Vojvodina (Republic of Serbia)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A2	SO ₂	0.82	0.802	0.779	0.039	1.07	S
A3	SO ₂	0.78	0.842	0.794	0.02	-0.683	S
A4	SO ₂	0.39	0.401	0.387	0.018	0.192	S
A5	SO ₂	0.42	0.441	0.416	0.016	0.244	S

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Laboratory 194, Institute of Public Health - Zrenjanin (Republic of Serbia)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A2	SO ₂	0.758	0.802	0.779	0.039	-0.536	S
A3	SO ₂	0.805	0.842	0.794	0.02	0.541	S
A4	SO ₂	0.412	0.401	0.387	0.018	1.398	S
A5	SO ₂	0.445	0.441	0.416	0.016	1.819	S

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Laboratory 203, The Public Health Institute Vranje (Republic of Serbia)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A2	SO ₂	0.9	0.802	0.779	0.039	3.141	Q
A3	SO ₂	0.75	0.842	0.794	0.02	-2.151	Q
A4	SO ₂	0.42	0.401	0.387	0.018	1.836	S
A5	SO ₂	0.39	0.441	0.416	0.016	-1.645	Q

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Laboratory 204, Institute for Public Health "Pomoravlje" Cuprija (Republic of Serbia)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A2	SO ₂	0.875	0.802	0.779	0.039	2.494	S
A3	SO ₂	0.994	0.842	0.794	0.02	9.791	Q
A4	SO ₂	0.685	0.401	0.387	0.018	16.361	U
A5	SO ₂	0.399	0.441	0.416	0.016	-1.079	S

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