

EMEP – 29th 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 [¤]
A1	SO ₂	0.238	0.2	0.202	0.032	1.135	Q
A2	SO ₂	0.187	0.16	0.17	0.046	0.372	Q
A3	SO ₂	0.329	0.28	0.329	0.085	0.004	Q
A5	SO ₂	0.448	0.4	0.404	0.072	0.61	Q

¥ If your laboratory reported a value for the blank sample, this value is subtracted from the reported value.

If your laboratory reported the methods detection limit for the blank sample, ½ DL is subtracted from the reported value.

¤ EMEP quality norm; the letters in the column indicates:

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

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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 [¤]
A1	SO ₂	0.24	0.2	0.202	0.032	1.198	Q
A2	SO ₂	0.19	0.16	0.17	0.046	0.437	Q
A3	SO ₂	0.36	0.28	0.329	0.085	0.37	U
A5	SO ₂	0.53	0.4	0.404	0.072	1.746	U

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Laboratory 23, Ricardo-AEA Limited (United Kingdom)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A1	SO ₂	0.189	0.2	0.202	0.032	-0.413	S
A2	SO ₂	0.156	0.16	0.17	0.046	-0.304	S
A3	SO ₂	0.244	0.28	0.329	0.085	-1.001	Q
A5	SO ₂	0.36	0.4	0.404	0.072	-0.608	Q

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Laboratory 47, Jelenia Gora (Poland)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A1	SO ₂	0.171	0.2	0.202	0.032	-0.982	Q
A2	SO ₂	0.133	0.16	0.17	0.046	-0.805	Q
A3	SO ₂	0.234	0.28	0.329	0.085	-1.119	Q
A5	SO ₂	0.34	0.4	0.404	0.072	-0.885	Q

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Laboratory 36, Hydrometeorological Institute of Slovenia (Slovenia)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A1	SO ₂	0.221	0.2	0.202	0.032	0.582	Q
A2	SO ₂	0.182	0.16	0.17	0.046	0.274	Q
A3	SO ₂	0.301	0.28	0.329	0.085	-0.321	S
A5	SO ₂	0.423	0.4	0.404	0.072	0.271	S

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Laboratory 159, CARSO, Lyon (France)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A1	SO ₂	0.335	0.2	0.202	0.032	4.199	U
A2	SO ₂	0.255	0.16	0.17	0.046	1.854	U
A3	SO ₂	0.485	0.28	0.329	0.085	1.847	U
A5	SO ₂	0.715	0.4	0.404	0.072	4.308	U

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Laboratory 173, Company Petrokemija d.d. (Croatia)

Sulphur dioxide in absorbing solution (A-samples)

Sample name	Determinand	Reported value [¥]	Expected value	Mean value	Standard deviation	Z score	EMEP quality norm [¤]
A1	SO ₂	0.16	0.2	0.202	0.032	-1.329	U
A2	SO ₂	0.1	0.16	0.17	0.046	-1.525	U
A3	SO ₂	0.4	0.28	0.329	0.085	0.842	U
A5	SO ₂	0.32	0.4	0.404	0.072	-1.162	U

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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 [¤]
A1	SO ₂	0.196	0.2	0.202	0.032	-0.192	S
A2	SO ₂	0.156	0.16	0.17	0.046	-0.304	S
A3	SO ₂	0.276	0.28	0.329	0.085	-0.622	S
A5	SO ₂	0.406	0.4	0.404	0.072	0.029	S

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