

EMEP – 30th 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	0.12	0.12	0.114	0.034	0.173	S
A2	SO ₂	0.24	0.24	0.226	0.051	0.281	S
A4	SO ₂	0.438	0.44	0.427	0.071	0.15	S
A5	SO ₂	0.32	0.32	0.308	0.068	0.175	S

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

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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	0.12	0.12	0.114	0.034	0.173	S
A2	SO ₂	0.3	0.24	0.226	0.051	1.455	U
A4	SO ₂	0.56	0.44	0.427	0.071	1.866	U
A5	SO ₂	0.43	0.32	0.308	0.068	1.786	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	0.161	0.12	0.114	0.034	1.39	U
A2	SO ₂	0.481	0.24	0.226	0.051	4.996	U
A4	SO ₂	1.06	0.44	0.427	0.071	8.901	U
A5	SO ₂	0.696	0.32	0.308	0.068	5.682	U

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Laboratory 34, Refik Saydam Hygiene Center, Ankara (Turkey)

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	0.1	0.12	0.114	0.034	-0.421	Q
A2	SO ₂	0.207	0.24	0.226	0.051	-0.365	Q
A4	SO ₂	0.387	0.44	0.427	0.071	-0.568	Q
A5	SO ₂	0.279	0.32	0.308	0.068	-0.426	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	0.158	0.12	0.114	0.034	1.286	U
A2	SO ₂	0.278	0.24	0.226	0.051	1.014	Q
A4	SO ₂	0.471	0.44	0.427	0.071	0.621	S
A5	SO ₂	0.352	0.32	0.308	0.068	0.651	Q

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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	0.065	0.12	0.114	0.034	-1.46	U
A2	SO ₂	0.195	0.24	0.226	0.051	-0.599	Q
A4	SO ₂	0.375	0.44	0.427	0.071	-0.737	Q
A5	SO ₂	0.245	0.32	0.308	0.068	-0.924	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	0.08	0.12	0.114	0.034	-1.015	U
A2	SO ₂	0.15	0.24	0.226	0.051	-1.48	U
A4	SO ₂	0.35	0.44	0.427	0.071	-1.088	U
A5	SO ₂	0.23	0.32	0.308	0.068	-1.144	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	0.11	0.12	0.114	0.034	-0.124	S
A2	SO ₂	0.21	0.24	0.226	0.051	-0.306	Q
A4	SO ₂	0.41	0.44	0.427	0.071	-0.244	S
A5	SO ₂	0.3	0.32	0.308	0.068	-0.118	S

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