

Table of assigned values BTEX/MTBE - B12

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Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
Benzene	B12 A	µg/l	1.47 ±	0.219	0.235	16
	B12 B	µg/l	6.93 ±	0.736	1.11	16
Ethylbenzene	B12 A	µg/l	0.939 ±	0.0951	0.169	18
	B12 B	µg/l	6.67 ±	0.498	0.734	11
Methyl-tert-butyl-ether*	B12 A	µg/l	- ±	-	-	-
	B12 B	µg/l	- ±	-	-	-
o-Xylene	B12 A	µg/l	1.04 ±	0.0851	0.145	14
	B12 B	µg/l	7.55 ±	0.337	0.604	8
Sum of m-Xylene and p-Xylene	B12 A	µg/l	1.64 ±	0.291	0.327	20
	B12 B	µg/l	14.5 ±	0.385	2.91	20
Toluene	B12 A	µg/l	1.43 ±	0.167	0.4	28
	B12 B	µg/l	6.46 ±	0.853	1.81	28

*MTBE B12A and B12B: Since less than 6 results after elimination of outliers were available, no assigned value could be determined.

In the context of internal QA, comparison with the values of the control laboratory is recommended:

B12A: 2.49µg/l +/- 0.746 U(k=2)

B12B: 13.2µg/l +/- 3.97 U(k=2)

Legend:

Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criterion	Specified value for the determination of the z-score in the given unit (3 significant digits)
Criterion [%]	Specified value for the determination of the z-score in % of the assigned value (2 significant digits)