

Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
1,1,1-Trichloroethane	CL10 - CHC	µg/tube	4.71 ±	0.281	0.753	16
Benzene	BL11 - BTEX & C5-C10	µg/tube	5.32 ±	0.400	0.799	15
cis-1,2-Dichloroethene	CL10 - CHC	µg/tube	2.89 ±	0.494	1.07	37
Ethylbenzene	BL11 - BTEX & C5-C10	µg/tube	5.33 ±	0.579	1.17	22
n-Decane *	BL11 - BTEX & C5-C10	µg/tube	- ±	-	-	-
n-Heptane	BL11 - BTEX & C5-C10	µg/tube	7.58 ±	1.19	1.59	21
n-Hexane	BL11 - BTEX & C5-C10	µg/tube	6.10 ±	0.928	1.16	19
n-Nonane *	BL11 - BTEX & C5-C10	µg/tube	- ±	-	-	-
n-Octane	BL11 - BTEX & C5-C10	µg/tube	6.07 ±	0.740	0.910	15
n-Pentane	BL11 - BTEX & C5-C10	µg/tube	6.78 ±	1.52	1.90	28
o-Xylene	BL11 - BTEX & C5-C10	µg/tube	4.72 ±	0.398	0.850	18
Sum of m-Xylene and p-Xylene	BL11 - BTEX & C5-C10	µg/tube	9.43 ±	1.28	2.45	26
Tetrachloroethene	CL10 - CHC	µg/tube	3.93 ±	0.234	0.826	21
Tetrachloromethane	CL10 - CHC	µg/tube	5.53 ±	0.505	0.995	18
Toluene	BL11 - BTEX & C5-C10	µg/tube	5.41 ±	0.418	0.812	15
trans-1,2-Dichloroethene	CL10 - CHC	µg/tube	2.96 ±	0.684	1.27	43
Trichloroethene	CL10 - CHC	µg/tube	3.63 ±	0.424	0.907	25
Trichloromethane	CL10 - CHC	µg/tube	4.14 ±	0.317	0.662	16

* For the following substances, the calculated mean values MV +/- U(k=2) based on the data of the accredited laboratories (n) are listed for information.

These can be used for comparison as part of your internal QA measures:

n-Nonane MV (n=3, accr.) +/- U(k=2): 4.87 +/- 1.76 µg/tube

n-Decane MV (n=3, accr.) +/- U(k=2): 2.72 +/- 1.61 µg/tube

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)