

Table of assigned values CHC and BTEX & C5-C10 - CBL08

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Table of assigned values

Parameter	Sample	Unit	Assigned ± value	U (k=2)	Criterion	Criterion [%]
1,1,1-Trichloroethane	CL09 - CHC	µg/tube	3.37 ±	0.347	0.708	21
Benzene	BL10 - BTEX & C5-C10	µg/tube	5.52 ±	0.294	0.829	15
cis-1,2-Dichloroethene	CL09 - CHC	µg/tube	2.16 ±	0.409	0.906	42
Ethylbenzene	BL10 - BTEX & C5-C10	µg/tube	5.71 ±	0.32	1.03	18
n-Decane	BL10 - BTEX & C5-C10	µg/tube	3.5 ±	0.468	1.01	29
n-Heptane	BL10 - BTEX & C5-C10	µg/tube	6.87 ±	0.338	0.756	11
n-Hexane	BL10 - BTEX & C5-C10	µg/tube	6.79 ±	0.283	0.679	10
n-Nonane	BL10 - BTEX & C5-C10	µg/tube	5.54 ±	0.448	0.886	16
n-Octane	BL10 - BTEX & C5-C10	µg/tube	6.62 ±	0.317	0.729	11
n-Pentane	BL10 - BTEX & C5-C10	µg/tube	6.29 ±	0.338	0.629	10
o-Xylene	BL10 - BTEX & C5-C10	µg/tube	5.11 ±	0.48	1.28	25
Sum of m-Xylene and p-Xylene	BL10 - BTEX & C5-C10	µg/tube	10.7 ±	0.86	2.24	21
Tetrachloroethene	CL09 - CHC	µg/tube	2.69 ±	0.588	1.21	45
Tetrachloromethane	CL09 - CHC	µg/tube	3.75 ±	0.464	0.901	24
Toluene	BL10 - BTEX & C5-C10	µg/tube	5.75 ±	0.323	0.862	15
trans-1,2-Dichloroethene*	CL09 - CHC	µg/tube	- ±	-	-	-
Trichloroethene	CL09 - CHC	µg/tube	2.56 ±	0.411	0.846	33
Trichloromethane	CL09 - CHC	µg/tube	3.14 ±	0.257	0.503	16

*Due to a to high scatter between the results of the participating laboratories, the determination of an assigned value is not possible.

Within the framework of internal quality assurance measures, an informative comparison with the mean value calculated from the results of the group of accredited laboratories without Hampel outliers (H99, H95) is recommended:

trans-1,2-Dichloroethene: MV(n=16): 2.033 +/- 1.24 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)