

Table of assigned values CHC and BTEX & C5-C10 - CBL06

1st Edition, 06.11.2020

Table of assigned values

Parameter	Sample	Unit	Assigned value ± U (k=2)	Criterion	Criterion [%]
1,1,1-Trichloroethane	CL07 - CHC	µg/tube	6.67 ± 0.384	0.867	13
Benzene	BL08 - BTEX & C5-C10	µg/tube	4.67 ± 0.31	0.701	15
cis-1,2-Dichloroethene	CL07 - CHC	µg/tube	4.67 ± 0.457	0.888	19
Ethylbenzene	BL08 - BTEX & C5-C10	µg/tube	4.87 ± 0.528	1.12	23
n-Decane	BL08 - BTEX & C5-C10	µg/tube	2.7 ± 0.356	0.54	20
n-Heptane	BL08 - BTEX & C5-C10	µg/tube	6.46 ± 0.446	0.646	10
n-Hexane	BL08 - BTEX & C5-C10	µg/tube	6.32 ± 0.775	1.01	16
n-Nonane	BL08 - BTEX & C5-C10	µg/tube	4.97 ± 0.458	0.696	14
n-Octane	BL08 - BTEX & C5-C10	µg/tube	6.24 ± 0.424	0.624	10
n-Pentane	BL08 - BTEX & C5-C10	µg/tube	5.48 ± 1.36	2.14	39
o-Xylene	BL08 - BTEX & C5-C10	µg/tube	4.58 ± 0.555	1.19	26
Sum of m-Xylene and p-Xylene	BL08 - BTEX & C5-C10	µg/tube	9.16 ± 0.881	1.83	20
Tetrachloroethene	CL07 - CHC	µg/tube	5.29 ± 0.779	1.53	29
Tetrachloromethane	CL07 - CHC	µg/tube	7.67 ± 0.559	0.997	13
Toluene	BL08 - BTEX & C5-C10	µg/tube	5.05 ± 0.409	0.858	17
trans-1,2-Dichloroethene	CL07 - CHC	µg/tube	4.55 ± 0.764	1.5	33
Trichloroethene	CL07 - CHC	µg/tube	5.84 ± 0.374	0.934	16
Trichloromethane	CL07 - CHC	µg/tube	5.83 ± 0.324	0.583	10

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)