

Table of assigned values

Parameter	Sample	Unit	Assigned ± value	U (k=2)	Criterion	Criterion [%]
1,1,1-Trichloroethane	CL12 - CHC	µg/tube	5.35 ±	0.284	0.856	16
Benzene	BL13 - BTEX & C5-C10	µg/tube	4.66 ±	0.33	0.699	15
cis-1,2-Dichloroethene	CL12 - CHC	µg/tube	3.86 ±	0.227	1.43	37
Ethylbenzene	BL13 - BTEX & C5-C10	µg/tube	3.95 ±	0.214	0.711	18
n-Decane	BL13 - BTEX & C5-C10	µg/tube	1.95 ±	0.231	0.408	21
n-Heptane	BL13 - BTEX & C5-C10	µg/tube	6.16 ±	0.421	1.11	18
n-Hexane	BL13 - BTEX & C5-C10	µg/tube	6.33 ±	0.621	1.01	16
n-Nonane	BL13 - BTEX & C5-C10	µg/tube	3.97 ±	0.271	0.595	15
n-Octane	BL13 - BTEX & C5-C10	µg/tube	5.37 ±	0.273	0.913	17
n-Pentane	BL13 - BTEX & C5-C10	µg/tube	6 ±	0.812	1.8	30
o-Xylene	BL13 - BTEX & C5-C10	µg/tube	3.5 ±	0.218	0.63	18
Sum of m-Xylene and p-Xylene	BL13 - BTEX & C5-C10	µg/tube	7.24 ±	0.498	1.38	19
Tetrachloroethene	CL12 - CHC	µg/tube	3.66 ±	0.543	1.06	29
Tetrachloromethane	CL12 - CHC	µg/tube	6.32 ±	0.385	0.948	15
Toluene	BL13 - BTEX & C5-C10	µg/tube	4.48 ±	0.261	0.672	15
trans-1,2-Dichloroethene	CL12 - CHC	µg/tube	4.14 ±	0.203	0.621	15
Trichloroethene	CL12 - CHC	µg/tube	4.49 ±	0.313	1.12	25
Trichloromethane	CL12 - CHC	µg/tube	4.64 ±	0.213	0.649	14

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)