

Table of assigned values

Parameter	Sample	Unit	Assigned value ± U (k=2)	Criterion	Criterion [%]
Benzene	BL14 - BTEX	µg/tube	2.47 ± 0.152	0.345	14
Toluene	BL14 - BTEX	µg/tube	1.63 ± 0.249	0.555	34
Ethylbenzene	BL14 - BTEX	µg/tube	0.676 ± 0.137	0.298	44
o-Xylene *	BL14 - BTEX	µg/tube	- ± -	-	-
Sum of m-Xylene and p-Xylene *	BL14 - BTEX	µg/tube	- ± -	-	-
n-Pentane	BL14 - BTEX	µg/tube	3.91 ± 1.04	1.64	42
n-Hexane	BL14 - BTEX	µg/tube	3.41 ± 0.57	0.99	29
n-Heptane	BL14 - BTEX	µg/tube	2.86 ± 0.425	0.773	27
n-Octane	BL14 - BTEX	µg/tube	1.45 ± 0.358	0.654	45
n-Nonane **	BL14 - BTEX	µg/tube	- ± -	-	-
n-Decane **	BL14 - BTEX	µg/tube	- ± -	-	-
1,1,1-Trichloroethane	CL13 - CHC	µg/tube	3.62 ± 0.3	0.579	16
cis-1,2-Dichloroethene	CL13 - CHC	µg/tube	2.43 ± 0.304	0.825	34
Tetrachloroethene	CL13 - CHC	µg/tube	2.15 ± 0.498	1.03	48
Tetrachloromethane	CL13 - CHC	µg/tube	4.48 ± 0.35	0.94	21
trans-1,2-Dichloroethene	CL13 - CHC	µg/tube	2.25 ± 0.535	1.04	46
Trichloroethene	CL13 - CHC	µg/tube	3.02 ± 0.268	0.755	25
Trichloromethane	CL13 - CHC	µg/tube	3.32 ± 0.233	0.464	14

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

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

o-Xylene

BL14: MV (n=17, accr.) +/- U(k=2): 0.408 +/- 0.111 µg/tube

Sum of m-Xylene and p-Xylene

BL14: MV (n=18, accr.) +/- U(k=2): 0.915 +/- 0.246 µg/tube

** For the following substances, the values of the control laboratory are listed for information:

n-Nonane

BL14: <0.5µg/tube

n-Decane

BL14: <0.5 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)