

Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
Acenaphthene	P25 A	ng/l	21 ±	1.63	3.99	19
	P25 B	ng/l	129 ±	7.05	24.5	19
Acenaphthylene	P25 A	ng/l	19.3 ±	1.45	4.63	24
	P25 B	ng/l	167 ±	15.5	40.1	24
Anthracene	P25 A	ng/l	22.3 ±	0.802	5.81	26
	P25 B	ng/l	139 ±	7.99	36.2	26
Benzo[a]anthracene	P25 A	ng/l	22.1 ±	2.18	4.64	21
	P25 B	ng/l	155 ±	13.7	32.5	21
Benzo[a]pyrene	P25 A	ng/l	15.6 ±	3.07	5.3	34
	P25 B	ng/l	128 ±	12.2	30.8	24
Benzo[b]fluoranthene	P25 A	ng/l	22.1 ±	2.26	3.76	17
	P25 B	ng/l	175 ±	16.2	29.8	17
Benzo[g,h,i]perylene	P25 A	ng/l	19.8 ±	2.33	4.94	25
	P25 B	ng/l	133 ±	16.8	33.3	25
Benzo[k]fluoranthene	P25 A	ng/l	19.7 ±	1.64	5.11	26
	P25 B	ng/l	127 ±	9.09	33.1	26
Chrysene	P25 A	ng/l	20.3 ±	2.06	4.47	22
	P25 B	ng/l	129 ±	10.3	28.3	22
Dibenzo[a,h]anthracene	P25 A	ng/l	21.2 ±	2	6.36	30
	P25 B	ng/l	106 ±	18.7	41.4	39
Fluoranthene	P25 A	ng/l	23.1 ±	0.916	4.16	18
	P25 B	ng/l	153 ±	7.28	27.6	18
Fluorene	P25 A	ng/l	25.6 ±	1.41	3.58	14
	P25 B	ng/l	157 ±	11.3	21.9	14
Indeno[1,2,3-cd]pyrene	P25 A	ng/l	21.4 ±	2.54	5.35	25
	P25 B	ng/l	140 ±	15.1	35	25
Naphthalene	P25 A	ng/l	28.3 ±	3.28	5.94	21
	P25 B	ng/l	171 ±	15.1	36	21
Phenanthrene	P25 A	ng/l	25.3 ±	1.31	3.8	15
	P25 B	ng/l	149 ±	10.4	22.3	15
Pyrene	P25 A	ng/l	20.8 ±	1.04	3.33	16
	P25 B	ng/l	147 ±	6.62	23.6	16

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)