

Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criteria	Criteria [%]
Acenaphthene	P20 A	ng/l	124 ±	14.2	27.5	22
	P20 B	ng/l	10.4 ±	1.38	1.98	19
Acenaphthylene	P20 A	ng/l	244 ±	30.9	56.1	23
	P20 B	ng/l	- ±	-	-	-
Anthracene	P20 A	ng/l	- ±	-	-	-
	P20 B	ng/l	33.4 ±	2.14	8	24
Benzo[a]anthracene	P20 A	ng/l	40.9 ±	5.55	10.4	25
	P20 B	ng/l	9.26 ±	0.668	1.67	18
Benzo[a]pyrene	P20 A	ng/l	57.6 ±	9.56	13.3	23
	P20 B	ng/l	9.87 ±	1.48	2.27	23
Benzo[b]fluoranthene	P20 A	ng/l	185 ±	12.1	33.3	18
	P20 B	ng/l	6.38 ±	0.696	1.15	18
Benzo[g,h,i]perylene	P20 A	ng/l	203 ±	23.4	45.4	22
	P20 B	ng/l	19.6 ±	4.4	6.47	33
Benzo[k]fluoranthene	P20 A	ng/l	204 ±	25.3	55.1	27
	P20 B	ng/l	33.3 ±	3.57	9	27
Chrysene	P20 A	ng/l	202 ±	12.8	38.4	19
	P20 B	ng/l	42.6 ±	3.58	8.09	19
Dibenzo[a,h]anthracene	P20 A	ng/l	67.1 ±	7.04	13.2	20
	P20 B	ng/l	26.1 ±	4.09	7.37	28
Fluoranthene	P20 A	ng/l	125 ±	8.6	23.7	19
	P20 B	ng/l	29.2 ±	2.5	5.54	19
Fluorene	P20 A	ng/l	158 ±	9.33	20.6	13
	P20 B	ng/l	26.3 ±	2.42	4.36	17
Indeno[1,2,3-cd]pyrene	P20 A	ng/l	- ±	-	-	-
	P20 B	ng/l	- ±	-	-	-
Naphthalene	P20 A	ng/l	87.6 ±	4.77	21	24
	P20 B	ng/l	42.6 ±	3.86	10.2	24
Phenanthrene	P20 A	ng/l	274 ±	13.2	41.1	15
	P20 B	ng/l	47.4 ±	4	7.48	16
Pyrene	P20 A	ng/l	175 ±	13.6	29.8	17
	P20 B	ng/l	20.6 ±	0.83	3.51	17

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)
Criteria	Specified value for the determination of the z-score in the given unit (3 significant digits)
Criteria [%]	Specified value for the determination of the z-score in % of the assigned value (3 significant digits)