

Table of assigned values Polycyclic Aromatic Hydrocarbons P21

1st Edition, 10.12.2020

Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
Acenaphthene	P21 A	ng/l	15.6 ±	2.03	2.96	19
	P21 B	ng/l	163 ±	22.8	30.9	19
Acenaphthylene	P21 A	ng/l	16.8 ±	1.73	3.52	21
	P21 B	ng/l	81.6 ±	12.2	30.2	37
Anthracene	P21 A	ng/l	13.1 ±	1.28	2.89	22
	P21 B	ng/l	137 ±	23.8	57.6	42
Benzo[a]anthracene	P21 A	ng/l	14.4 ±	1.7	3.02	21
	P21 B	ng/l	161 ±	18	33.8	21
Benzo[a]pyrene	P21 A	ng/l	11.1 ±	1.88	2.66	24
	P21 B	ng/l	152 ±	15	36.5	24
Benzo[b]fluoranthene	P21 A	ng/l	21 ±	1.85	3.58	17
	P21 B	ng/l	67.6 ±	5.97	11.5	17
Benzo[g,h,i]perylene	P21 A	ng/l	13.4 ±	1.52	4.3	32
	P21 B	ng/l	56.2 ±	5.53	18	32
Benzo[k]fluoranthene	P21 A	ng/l	12.2 ±	1.35	3.16	26
	P21 B	ng/l	116 ±	8.71	30.2	26
Chrysene	P21 A	ng/l	20.1 ±	2.16	5.22	26
	P21 B	ng/l	56.3 ±	5.69	14.7	26
Dibenzo[a,h]anthracene	P21 A	ng/l	11.8 ±	2.47	3.55	30
	P21 B	ng/l	85.7 ±	16.5	25.7	30
Fluoranthene	P21 A	ng/l	12.5 ±	0.92	2.26	18
	P21 B	ng/l	72.1 ±	9.92	23.1	32
Fluorene	P21 A	ng/l	13 ±	0.921	1.82	14
	P21 B	ng/l	186 ±	24.1	26	14
Indeno[1,2,3-cd]pyrene	P21 A	ng/l	9.46 ±	1.24	2.65	28
	P21 B	ng/l	112 ±	13.2	35.9	32
Naphthalene	P21 A	ng/l	28.5 ±	2.52	5.99	21
	P21 B	ng/l	168 ±	28.1	35.2	21
Phenanthrene	P21 A	ng/l	14.7 ±	1.3	2.2	15
	P21 B	ng/l	76.4 ±	14.3	32.1	42
Pyrene	P21 A	ng/l	10.9 ±	1.15	1.75	16
	P21 B	ng/l	79.4 ±	8.28	12.7	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)