

## Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
Acenaphthene	P26 A	ng/l	17.8 ±	1.91	3.38	19
	P26 B	ng/l	261 ±	35.6	60.1	23
Acenaphthylene	P26 A	ng/l	25.7 ±	2.71	6.16	24
	P26 B	ng/l	354 ±	35	84.8	24
Anthracene	P26 A	ng/l	19.8 ±	3.06	4.94	25
	P26 B	ng/l	260 ±	30.9	54.7	21
Benzo[a]anthracene	P26 A	ng/l	19.7 ±	2.56	4.13	21
	P26 B	ng/l	279 ±	35.5	58.6	21
Benzo[a]pyrene	P26 A	ng/l	16 ±	2.75	4.32	27
	P26 B	ng/l	242 ±	19.1	58.2	24
Benzo[b]fluoranthene	P26 A	ng/l	22.5 ±	2.7	4.04	18
	P26 B	ng/l	277 ±	43.5	69.3	25
Benzo[g,h,i]perylene	P26 A	ng/l	22.9 ±	2.02	5.72	25
	P26 B	ng/l	205 ±	52.3	86.2	42
Benzo[k]fluoranthene	P26 A	ng/l	23.1 ±	4.05	6.48	28
	P26 B	ng/l	229 ±	36.4	57.3	25
Chrysene	P26 A	ng/l	26 ±	3.79	5.71	22
	P26 B	ng/l	227 ±	16.7	50	22
Dibenzo[a,h]anthracene	P26 A	ng/l	21.6 ±	4.39	6.49	30
	P26 B*	ng/l	- ±	-	-	-
Fluoranthene	P26 A	ng/l	26.7 ±	3.54	5.61	21
	P26 B	ng/l	316 ±	40.1	66.3	21
Fluorene	P26 A	ng/l	19.3 ±	1.71	2.71	14
	P26 B	ng/l	320 ±	40.2	70.5	22
Indeno[1,2,3-cd]pyrene	P26 A	ng/l	25.1 ±	3.29	6.27	25
	P26 B	ng/l	268 ±	38.4	66.9	25
Naphthalene	P26 A	ng/l	32.6 ±	3.85	6.84	21
	P26 B	ng/l	277 ±	41.9	72.1	26
Phenanthrene	P26 A	ng/l	31.6 ±	3.47	5.36	17
	P26 B	ng/l	267 ±	38.2	64.1	24
Pyrene	P26 A	ng/l	22.2 ±	2.83	4.45	20
	P26 B	ng/l	240 ±	27	45.6	19

\*Due to the high reproducibility standard deviation (>50%) for the following parameter no assigned value can be determined. Therefore, the calculated mean value MV± SD(2s) based on the data of the accredited laboratories (n) after outlier removal is listed for information and can be used for comparison as part of your internal QA measures.

P26 B Dibenzo[a,h]anthracene: MV (n=6, accr.) +/- SD(2s): 163 +/- 130 ng/l

**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)