

Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
Antimony	AB16	mg/kg dm	167 ±	7.62	18.4	11
Arsenic	AB16	mg/kg dm	16.6 ±	1.64	3.99	24
Barium	AB16*	mg/kg dm	- ±	-	-	-
Benzo[a]pyrene	AB16	mg/kg dm	4.86 ±	0.538	1.36	28
Cadmium	AB16	mg/kg dm	5.14 ±	0.16	0.514	10
Chromium	AB16	mg/kg dm	384 ±	19.5	46.1	12
Cobalt	AB16	mg/kg dm	69.6 ±	4.24	9.75	14
Copper	AB16	mg/kg dm	2610 ±	80.7	261	10
Dry mass	AB16	%	97.9 ±	0.143	1.47	1.5
HC-Index	AB16	mg/kg dm	258 ±	51.7	124	48
Lead	AB16	mg/kg dm	367 ±	14.2	36.7	10
LOI (550°C)	AB16	% dm	5.08 ±	0.197	0.508	10
Mercury	AB16	mg/kg dm	0.0312 ±	0.00664	0.00997	32
Molybdenum	AB16	mg/kg dm	79.7 ±	3.49	8.77	11
Nickel	AB16	mg/kg dm	319 ±	13.8	35	11
Selenium	AB16	mg/kg dm	2.47 ±	0.315	0.52	21
Silver	AB16	mg/kg dm	6.68 ±	0.673	1.34	20
Sum 16 PAH (acc. to EPA)	AB16	mg/kg dm	33.1 ±	2.36	5.63	17
Tin	AB16	mg/kg dm	168 ±	10.1	23.5	14
TOC (as C)	AB16	mg/kg dm	17700 ±	817	1950	11
TOC_(ON L1080)	AB16	% dm	2.24 ±	0.509	0.65	29
Vanadium	AB16	mg/kg dm	70.7 ±	2.57	7.07	10
Zinc	AB16	mg/kg dm	3120 ±	73	312	10

*Due to the high reproducibility standard deviation (>50%) for the following parameter no assigned value can be determined. Therefore, the calculated mean value MV +/- U (k=2) 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.

AB16 Barium: MV (n=17, accr.) +/- U (k=2): 2860 +/- 997 mg/kg dm

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)