Table of assigned values

Parameter	Sample	Unit	Assigned value	± U (k=2)	Criterion	Criterion [%]
Dry mass	PFL01A02	%	93.2	± 0.25	1.4	1.5
	PFL01B02	%	85.3	± 0.0796	1.28	1.5
Perfluorobutanoic acid (PFBA) - PF4C	PFL01A02	µg/l	0.658	± 0.146	0.296	45
	PFL01A10	µg/l	0.115	± 0.019	0.0368	32
	PFL01B02 *	µg/l	-	± -	-	-
	PFL01B10 **	µg/l	-	± -	-	-
Perfluoropentanoic acid (PFPeA) - PF5C	PFL01A02	µg/l	1.5	± 0.267	0.583	39
	PFL01A10	µg/l	0.347	± 0.0611	0.132	38
	PFL01B02 *	µg/l	-	± -	-	-
	PFL01B10 **	µg/l	-	± -	-	-
Perfluorohexanoic acid (PFHxA) - PF6C	PFL01A02	µg/l	2.68	± 0.199	0.589	22
	PFL01A10	µg/l	0.591	± 0.0749	0.13	22
	PFL01B02 *	µg/l	-	± -	-	-
	PFL01B10 **	µg/l	-	± -	-	-
Perfluoroheptanoic acid (PFHpA) - PF7C	PFL01A02	µg/l	0.145	± 0.0149	0.0319	22
	PFL01A10	µg/l	0.0503	± 0.00511	0.0111	22
	PFL01B02 *	µg/l	-	± -	-	-
	PFL01B10 **	µg/l	-	± -	-	-
Perfluorooctanoic acid (PFOA) - PF8C	PFL01A02	µg/l	0.112	± 0.0115	0.0291	26
	PFL01A10	µg/l	0.0684	± 0.00803	0.0178	26
	PFL01B02 *	µg/l	-	± -	-	-
	PFL01B10 **	µg/l	-	± -	-	-
Perfluorononanoic acid (PFNA) - PF9C	PFL01A02 ***	µg/l	-	± -	-	-
	PFL01A10	µg/l	0.0101	± 0.00112	0.00252	25
	PFL01B02 *	µg/l	-	± -	-	-
	PFL01B10 **	µg/l	-	± -	-	-
Perfluorodecanoic acid (PFDA) - PF10C	PFL01A02	µg/l	0.00471	± 0.00151	0.00184	39
	PFL01A10	µg/l	0.00546	± 0.00134	0.00213	39

Table of assigned values Per- and polyfluoroalkyl substances (eluate preparation and analysis) - PFL01

1st Edition, 28.10.2026

Parameter	Sample	Unit	Assigned value	±	U (k=2)	Criterion	Criterion [%]
Perfluorodecanoic acid (PFDA) - PF10C	PFL01B02 *	µg/l	-	±	-	-	-
	PFL01B10 **	µg/l	-	±	-	-	-
Perfluoroundecanoic acid (PFUnDA) - PF11C	PFL01A02 ***	µg/l	-	±	-	-	-
	PFL01A10 ***	µg/l	-	±	-	-	-
	PFL01B02 ***	µg/l	-	±	-	-	-
	PFL01B10 ***	µg/l	-	±	-	-	-
Perfluorododecanoic acid (PFDoDA) - PF12C	PFL01A02 ***	µg/l	-	±	-	-	-
	PFL01A10 ***	µg/l	-	±	-	-	-
	PFL01B02 ***	µg/l	-	±	-	-	-
	PFL01B10 ***	µg/l	-	±	-	-	-
Perfluorotridecanoic acid (PFTrDA) - PF13C	PFL01A02 ***	µg/l	-	±	-	-	-
	PFL01A10 ***	µg/l	-	±	-	-	-
	PFL01B02 ***	µg/l	-	±	-	-	-
	PFL01B10 ***	µg/l	-	±	-	-	-
Perfluorobutane sulfonic acid (PFBS) - PF4S	PFL01A02	µg/l	0.658	±	0.0733	0.151	23
	PFL01A10	µg/l	0.167	±	0.0149	0.0335	20
	PFL01B02	µg/l	0.0269	±	0.0035	0.00753	28
	PFL01B10	µg/l	0.00661	±	0.000357	0.00185	28
Perfluoropentane sulfonic acid (PFPeS) - PF5S	PFL01A02	µg/l	0.0273	±	0.00901	0.0117	43
	PFL01A10	µg/l	0.0114	±	0.00376	0.00456	40
	PFL01B02	µg/l	0.0219	±	0.00268	0.00547	25
	PFL01B10	µg/l	0.00581	±	0.00043	0.00145	25
linear Perfluorohexane sulfonic acid (n-PFHxS)	PFL01A02	µg/l	0.0644	±	0.0102	0.0161	25
	PFL01A10	µg/l	0.0414	±	0.00506	0.00827	20
	PFL01B02	µg/l	0.137	±	0.0354	0.0534	39
	PFL01B10	µg/l	0.0488	±	0.00781	0.0122	25
Total PFHxS	PFL01A02	µg/l	0.0788	±	0.00997	0.0197	25

Table of assigned values Per- and polyfluoroalkyl substances (eluate preparation and analysis) - PFL01

1st Edition, 28.10.2026

Parameter	Sample	Unit	Assigned value	± U (k=2)	Criterion	Criterion [%]
Total PFHxS	PFL01A10	µg/l	0.0477	± 0.00435	0.00954	20
	PFL01B02	µg/l	0.167	± 0.0151	0.0417	25
	PFL01B10	µg/l	0.0548	± 0.00416	0.0137	25
Perfluoroheptane sulfonic acid (PFHpS) - PF7S	PFL01A02	µg/l	0.00939	± 0.0028	0.00432	46
	PFL01A10	µg/l	0.00931	± 0.0016	0.00289	31
	PFL01B02	µg/l	0.00678	± 0.00106	0.00169	25
	PFL01B10	µg/l	0.00337	± 0.000539	0.000943	28
linear Perfluorooctane sulfonic acid (n-PFOS)	PFL01A02	µg/l	0.0407	± 0.0102	0.0142	35
	PFL01A10	µg/l	0.0485	± 0.00662	0.0121	25
	PFL01B02 *	µg/l	-	± -	-	-
	PFL01B10	µg/l	0.228	± 0.0456	0.0639	28
Total PFOS	PFL01A02	µg/l	0.0645	± 0.0148	0.029	45
	PFL01A10	µg/l	0.0871	± 0.00981	0.0218	25
	PFL01B02	µg/l	0.327	± 0.0649	0.131	40
	PFL01B10	µg/l	0.282	± 0.037	0.079	28
Perfluorononane sulfonic acid (PFNS) - PF9S	PFL01A02 ***	µg/l	-	± -	-	-
	PFL01A10 ***	µg/l	-	± -	-	-
	PFL01B02 ***	µg/l	-	± -	-	-
	PFL01B10 ***	µg/l	-	± -	-	-
Perfluorodecane sulfonic acid (PFDS) - PF10S	PFL01A02 ***	µg/l	-	± -	-	-
	PFL01A10 ***	µg/l	-	± -	-	-
	PFL01B02 ***	µg/l	-	± -	-	-
	PFL01B10 ***	µg/l	-	± -	-	-
Perfluoroundecane sulfonic acid (PFUnDS) - PF11S	PFL01A02 ***	µg/l	-	± -	-	-
	PFL01A10 ***	µg/l	-	± -	-	-
	PFL01B02 ***	µg/l	-	± -	-	-
	PFL01B10 ***	µg/l	-	± -	-	-
Perfluorododecane sulfonic acid (PFDoS) - PF12S	PFL01A02 ***	µg/l	-	± -	-	-

Table of assigned values Per- and polyfluoroalkyl substances (eluate preparation and analysis) - PFL01

Parameter	Sample	Unit	Assigned value ± U (k=2)	Criterion	Criterion [%]
Perfluorododecane sulfonic acid (PFDoS) - PF12S	PFL01A10 ***	µg/l	- ± -	-	-
	PFL01B02 ***	µg/l	- ± -	-	-
	PFL01B10 ***	µg/l	- ± -	-	-
Perfluorotridecane sulfonic acid (PFTrDS) - PF13S	PFL01A02 ***	µg/l	- ± -	-	-
	PFL01A10 ***	µg/l	- ± -	-	-
	PFL01B02 ***	µg/l	- ± -	-	-
	PFL01B10 ***	µg/l	- ± -	-	-
Sum PFAS	PFL01A02	µg/l	6.49 ± 0.695	1.49	23
	PFL01A10	µg/l	1.57 ± 0.194	0.36	23
	PFL01B02 *	µg/l	- ± -	-	-
	PFL01B10	µg/l	0.554 ± 0.107	0.216	39

* Due to the high reproducibility standard deviation (>50%) for the following parameters, no assigned values could be established. For information purposes, the calculated mean values MV ± U(k=2) based on the results of the accredited laboratories (n) after outlier removal are provided.

This data can be used for comparison as part of your internal QA measures.

Sample PFL01B02:
PF4C: MV (n=11, accr.) ± U(k=2): 0.064 ± 0.0273 µg/l
PF5C: MV (n=10, accr.) ± U(k=2): 0.073 ± 0.0363 µg/l
PF6C: MV (n=10, accr.) ± U(k=2): 0.046 ± 0.0199 µg/l
PF7C: MV (n=10, accr.) ± U(k=2): 0.037 ± 0.0119 µg/l
PF8C: MV (n=10, accr.) ± U(k=2): 0.043 ± 0.0160 µg/l
PF9C: MV (n=9, accr.) ± U(k=2): 0.027 ± 0.0130 µg/l
PF10C: MV (n=6, accr.) ± U(k=2): 0.0099 ± 0.00714 µg/l
n-PFOS: MV (n=4, accr.) ± U(k=2): 0.27 ± 0.222 µg/l
Summe PFAS: MV (n=11, accr.) ± U(k=2): 1.1 ± 0.376 µg/l

** Due to the high variability of the results, a robust assignment of designated values is not possible (consistent with PFL01B02).
As a statistical adjustment of the data through the exclusion of outliers does not appear to be scientifically justified, only information values are reported.

This data can be used for comparison as part of your internal QA measures.

Sample PFL01B10:
PF4C: MV (n=10, accr.) ± U(k=2): 0.020 ± 0.00426 µg/l
PF5C: MV (n=10, accr.) ± U(k=2): 0.026 ± 0.00771 µg/l
PF6C: MV (n=10, accr.) ± U(k=2): 0.018 ± 0.00326 µg/l
PF7C: MV (n=10, accr.) ± U(k=2): 0.019 ± 0.00351 µg/l
PF8C: MV (n=9, accr.) ± U(k=2): 0.020 ± 0.00150 µg/l
PF9C: MV (n=9, accr.) ± U(k=2): 0.015 ± 0.00249 µg/l
PF10C: MV (n=6, accr.) ± U(k=2): 0.0052 ± 0.000306 µg/l

*** Despite the wide range of reported data, the results submitted by the accredited laboratories consistently indicate concentrations below or close to the quantification limits.
Therefore, a sufficiently robust estimate could be derived and is reported as a '<' information value.

Sample PFL01A02:
PF9C: MV (n=12, accr.): < 0.015 µg/l
PF11C: MV (n=12, accr.): < 0.01 µg/l
PF12C: MV (n=12, accr.): < 0.01 µg/l
PF13C: MV (n=11, accr.): < 0.01 µg/l
PF9S: MV (n=11, accr.): < 0.01 µg/l
PF10S: MV (n=12, accr.): < 0.01 µg/l
PF11S: MV (n=12, accr.): < 0.01 µg/l
PF12S: MV (n=11, accr.): < 0.01 µg/l
PF13S: MV (n=11, accr.): < 0.01 µg/l

Sample PFL01B02:
PF11C: MV (n=11, accr.): < 0.01 µg/l
PF12C: MV (n=12, accr.): < 0.01 µg/l
PF13C: MV (n=12, accr.): < 0.01 µg/l
PF9S: MV (n=12, accr.): < 0.01 µg/l
PF10S: MV (n=12, accr.): < 0.01 µg/l
PF11S: MV (n=11, accr.): < 0.01 µg/l
PF12S: MV (n=12, accr.): < 0.01 µg/l
PF13S: MV (n=11, accr.): < 0.01 µg/l

Sample PFL01A10:
PF11C: MV (n=12, accr.): < 0.01 µg/l
PF12C: MV (n=12, accr.): < 0.01 µg/l
PF13C: MV (n=12, accr.): < 0.01 µg/l
PF9S: MV (n=11, accr.): < 0.01 µg/l
PF10S: MV (n=11, accr.): < 0.01 µg/l
PF11S: MV (n=10, accr.): < 0.01 µg/l
PF12S: MV (n=11, accr.): < 0.01 µg/l
PF13S: MV (n=10, accr.): < 0.01 µg/l

Sample PFL01B10:
PF11C: MV (n=11, accr.): < 0.01 µg/l
PF12C: MV (n=12, accr.): < 0.01 µg/l
PF13C: MV (n=12, accr.): < 0.01 µg/l
PF9S: MV (n=12, accr.): < 0.01 µg/l
PF10S: MV (n=12, accr.): < 0.01 µg/l
PF11S: MV (n=11, accr.): < 0.01 µg/l
PF12S: MV (n=12, accr.): < 0.01 µg/l
PF13S: MV (n=11, accr.): < 0.01 µg/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)