



To ensure that ALS continue to offer industry leading PFAS analytical suites ALS Environmental have been busy developing a new extended PFAS suite offering both the PFAS-50 and European Union (EU) Drinking Water Directive 20 PFAS compounds. We are pleased to announce that the validation work has been completed, and we will now be offering full accreditation for both surface waters and groundwaters on this new method (TM434). To allow us to improve analytical performance across all methods we are making some small adjustments to the suites on offer to help standardise our approach and make it easier for our clients to select the most appropriate PFAS compounds.

### PFAS Broad Suite Information

The new PFAS Broad Suite will include a comprehensive offering of over 50 PFAS compounds (Table 1) with full accreditation on Groundwaters and Surface Waters. This will replace all previous extended suites which may have included PFAS compounds outside of the routine PFAS Standard Suite (which is summarized in Table 2). These tables include all new detection limit and accreditation information. Any current quotations which include the previous PFAS Extended options will be re-issued in due course.

To note that a new PFAS specific digitube will be used to analyse any samples processed under the new method (TM434) which offers the benefits of a direct extraction to improve analytical recovery of PFAS and reduces single-use plastic consumption. Whilst we transition all methods to the new containers, ALS will ensure that both a 330ml bottle (ALE 503) and x2 digitubes are provided to ultimately phase out the larger 330ml containers.

### References

- [1] Drinking Water Inspectorate. DWI Information Letter 05/2021 Requirements for Poly and Perfluorinated Alkyl Substances (PFAS) monitoring by water companies in England and Wales.
- [2] European Union (EU) 2020/2184 of the European Parliament and of the Council of 16 December 2020 on the quality of water intended for human consumption (recast) (Text with EEA relevance).

Note: The detection limits below are subject to change.



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Table 1: PFAS Broad Suite Analytical Information

New PFAS Broad Suite	CAS No.	LoD (ng/l)	Accreditation	Method Code	Holding time
PFBA	375-22-4	<2	GW, SW	TM434	14
PFPA	2706-90-3	<1	GW, SW	TM434	14
PFHxA	307-24-4	<1	GW, SW	TM434	14
PFHpA	375-85-9	<1	GW, SW	TM434	14
PFOA	335-67-1	<0.65	GW, SW	TM434	14
PFNA	375-95-1	<1	GW, SW	TM434	14
PFDA	335-76-2	<1	GW, SW	TM434	14
PFUnA	2058-94-8	<2	GW, SW	TM434	14
PFDoA	307-55-1	<1	GW, SW	TM434	14
PFTTrDA	72629-94-8	<3	GW, SW	TM434	14
PFTeA	376-06-7	<1	GW, SW	TM434	14
PFHxDA	67905-19-5	<1	GW, SW	TM434	14
PFODA	16517-11-6	<1	GW, SW	TM434	14
PFBS	375-73-5	<1	GW, SW	TM434	14
PFPeS	2706-91-4	<1	GW, SW	TM434	14
PFHxS	355-46-4	<1	GW, SW	TM434	14
PFHpS	375-92-8	<1	GW, SW	TM434	14
Linear PFOS	1763-23-1	<0.65	GW, SW	TM434	14
Branched PFOS	N/A	<0.65	GW, SW	TM434	14
Total PFOS	N/A	<0.65	GW, SW	TM434	14
PFNS	68259-12-1	<1	GW, SW	TM434	14
PFDS	335-77-3	<2	GW, SW	TM434	14
PFUnDS	749786-16-1	<2	GW, SW	TM434	14
PFDoS	79780-39-5	<2	GW, SW	TM434	14
PFTTrDS	174675-49-1	<1	GW, SW	TM434	14
HFPO-DA (GenX chemicals)	13252-13-6	<2	GW, SW	TM434	14
HFPO-TA	13252-14-7	<5	GW, SW	TM434	14
ADONA	919005-14-4	<1	GW, SW	TM434	14
PFMOPrA	377-73-1	<1	GW, SW	TM434	14
NFDHA	151772-58-6	<3	GW, SW	TM434	14
PFMOBA	863090-89-5	<1	GW, SW	TM434	14
PFecHS	133201-07-7	<1	GW, SW	TM434	14
3:3 FTCA	356-02-5	<2	GW, SW	TM434	14
5:3 FTCA	914637-49-3	<5	GW, SW	TM434	14
7:3 FTCA	812-70-4	<5	GW, SW	TM434	14
PFEESA	113507-82-7	<1	GW, SW	TM434	14
9Cl-PF3ONS (F-53B Major)	756426-58-1	<1	GW, SW	TM434	14
11Cl-PF3OUdS (F-53B Minor)	763051-92-9	<2	GW, SW	TM434	14

GW - Groundwater, SW - Surface Water



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Table 1: New PFAS Broad Suite; Accredited for Groundwaters, Surface Waters (continued)

New PFAS Broad Suite	CAS No.	LoD (ng/l)	Accreditation	Method Code	Holding time
4:2 FTS	757124-72-4	<1	GW, SW	TM434	14
6:2 FTS	27619-97-2	<1	GW, SW	TM434	14
8:2 FTS	39108-34-4	<2	GW, SW	TM434	14
FBSA	30334-69-1	<1	GW, SW	TM434	14
FHxSA	41997-13-1	<1	GW, SW	TM434	14
PFOSA	754-91-6	<2	GW, SW	TM434	14
N-MeFOSA	31506-32-8	<1	GW, SW	TM434	14
N-EtFOSA	4151-50-2	<1	GW, SW	TM434	14
MeFOSE	24448-09-7	<10	GW, SW	TM434	14
EtFOSE	1691-99-2	<10	GW, SW	TM434	14
MeFOSAA	2355-31-9	<2	GW, SW	TM434	14
EtFOSAA	2991-50-6	<2	GW, SW	TM434	14

GW - Groundwater, SW - Surface Water

Table 2: PFAS Standard Suite Analytical Information

PFAS Standard Suite	CAS No.	LoD (ng/l)	Accreditation	Method Code	Holding time
6:2 FTS	(27619-97-2)	<1	GW, SW, FE	TM337	27
Branched PFOS	N/A	<0.65	GW, SW, FE	TM337	27
Linear PFOS	1763-23-1	<0.6	GW, SW, FE	TM337	27
PFBA	(375-22-4)	<2	GW, SW, FE	TM337	27
PFBS	(375-73-5)	<1	GW, SW, FE	TM337	27
PFDA	(335-76-2)	<1	GW, SW, FE	TM337	27
PFD <sub>o</sub> A	(307-55-1)	<1	GW, SW, FE	TM337	27
PFDS	(335-77-3)	<1		TM337	182
PFHpA	(375-85-9)	<1	GW, SW, FE	TM337	27
PFHpS	(375-92-8)	<1	GW, SW, FE	TM337	27
PFHxA	(307-24-4)	<1	GW, SW, FE	TM337	27
PFHxS	(355-46-4)	<1	GW, SW, FE	TM337	27
PFNA	(375-95-1)	<1	GW, SW, FE	TM337	27
PFOA	(335-67-1)	<0.65	GW, SW, FE	TM337	27
PFOSA	(754-91-6)	<2	GW, SW, FE	TM337	27
PFPA	(2706-90-3)	<1	GW, SW, FE	TM337	27
PFPeS	(2706-91-4)	<1	GW, SW, FE	TM337	27
PFUnA	(2058-94-8)	<1	GW, SW, FE	TM337	27
Total PFOS	N/A	<0.65	GW, SW, FE	TM337	27



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We are always happy to help and run through any PFAS related queries you may have. A designated PFAS technical team can be contacted on the details below to discuss these options or any other PFAS-related sampling or technical queries you may have.

For further information please contact:

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