



January 24, 2020

NEW PRODUCTS

U.S. EPA 533 Solution/Mixtures

EPA-533PAR, EPA-533ES, & EPA-533IS

To support the newly drafted U.S. EPA Method for determination of per- and polyfluoroalkyl substances (PFAS) in drinking water (Method 533), **Wellington** has prepared native and mass-labelled solution/mixtures that will allow analytical laboratories to purchase certified primary dilution standards and avoid the hassle and cost associated with solution preparation and testing. As required by the method, the native analyte solution/mixture (**EPA-533PAR**) includes characterized mixtures of the linear and branched isomers of the C₆ and C₈ perfluoroalkanesulfonates (PFHxSK and PFOSK) to facilitate the quantification of both the branched and linear isomers of these analytes.

For total compliance with the method, **Wellington** also offers a certified reference standard of technical ammonium perfluorooctanoate (PFOA) for which the isomeric content has been characterized by ¹⁹F NMR (**T-PFOA**). This standard can be used to identify the retention times of the branched and linear isomers of PFOA.

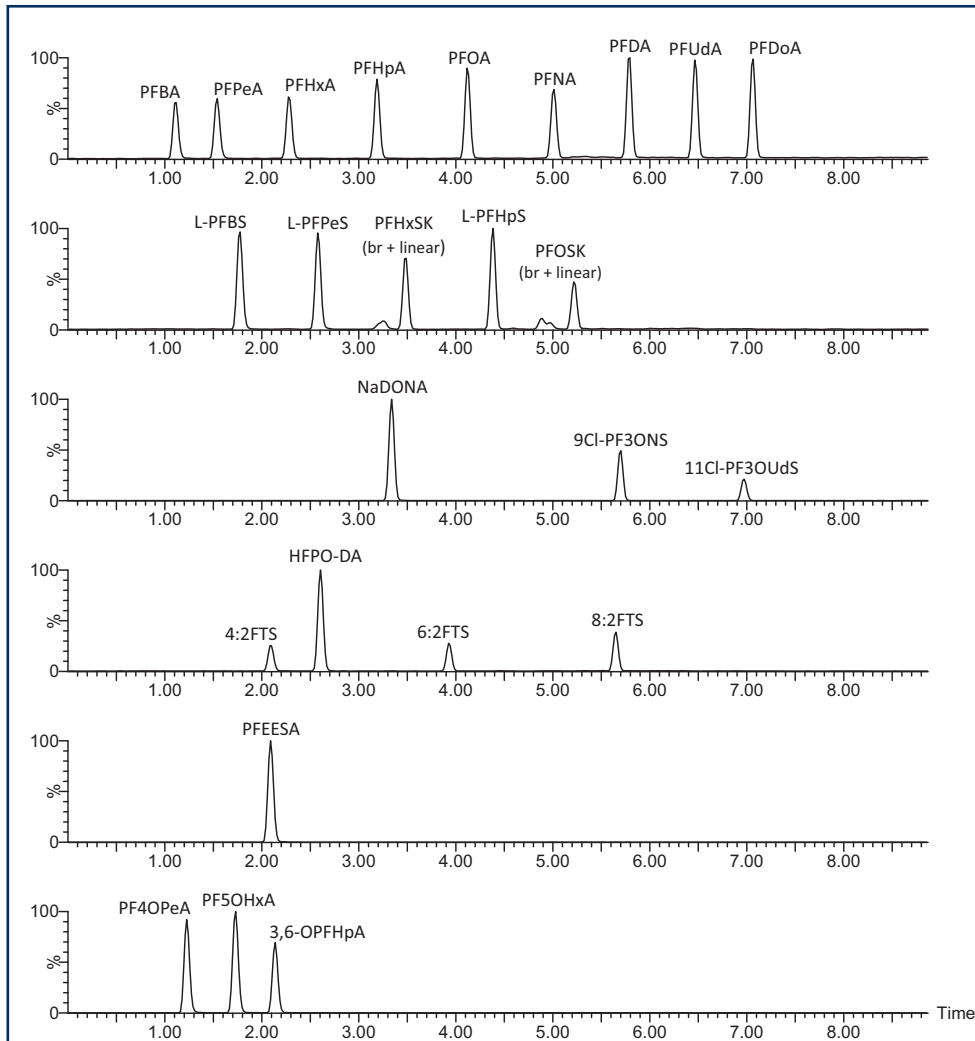
Cat. No.	Product (methanol)	Qty	Conc
EPA-533PAR	Native Analyte Primary Dilution Standard (PDS): 25 comp. Perfluoroalkylcarboxylic acids (C4-C12) Perfluoroalkanesulfonates (C4, C5, C7 linear, C6 & C8 linear and branched isomers) 4:2FTS, 6:2FTS, & 8:2FTS HFPO-DA, NaDONA, 9Cl-PF3ONS, & 11Cl-PF3OUdS PF4OPeA (PFMPA), PF5OHxA (PFMBA), 3,6-OPFHpA (NFDHA), & PFEESA	1.2 ml	0.5 µg/ml ea
EPA-533ES	Isotope Dilution Standard PDS: 16 comp. M3PFBS, M3PFHxS, M8PFOS MPFBA, M5PFPeA, M5PFHxA, M4PFHpA, M8PFOA, M9PFNA, M6PFDA, M7PFUdA, MPFD _o A M2-4:2FTS, M2-6:2FTS, M2-8:2FTS M3HFPO-DA	1.2 ml	0.5/2.0 µg/ml
EPA-533IS	Isotope Performance Standard PDS: 3 comp. M3PFBA, M2PFOA MPFOS	1.2 ml	1.0/3.0 µg/ml

Quality
ISO 9001

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Chromatogram of EPA-533PAR (SRM Acquisition)



The EPA-533 solution/mixtures complement our existing line of mixed PFAS reference standards.

Cat. No.	Product (methanol)	Qty	Conc
PFC-MXA	Native PFCA Solution/Mixture (C ₄ -C ₁₄)	1.2 ml	2.0 µg/ml ea
PFS-MXA	Native PFSA Solution/Mixture (C ₄ , C ₆ -C ₈ , C ₁₀)	1.2 ml	2.0 µg/ml ea
PFAC-MXA	Native PFCA/PFSA Solution/Mixture (10)	1.2 ml	5.0 µg/ml ea
PFAC-MXB	Native PFCA/PFSA Solution/Mixture (17)	1.2 ml	2.0 µg/ml ea
PFAC-MXC	Native PFCA/PFSA Solution/Mixture (21)	1.2 ml	2.0 µg/ml ea
EPA-537PDS-R1	U.S. EPA Method 537 Native PDS (18)	1.2 ml	2.0 µg/ml ea
EPA-537PDSL-R1	U.S. EPA Method 537 Native Linear PDS (18)	1.2 ml	2.0 µg/ml ea
PFAC-24PAR	Native PFAS Solution/Mixture (24)	1.2 ml	2.0 µg/ml ea
PFAC30PAR	Native PFAS Solution/Mixture (30)	1.2 ml	1.0 µg/ml ea
MPFAC-MXA	Mass-Labelled PFCA/PFSA Solution/Mixture (9)	1.2 ml	2.0 µg/ml ea
MPFAC-C-ES	Mass-Labelled PFCA/PFSA Extraction Standard (13)	1.2 ml	2.0 µg/ml ea
MPFAC-C-IS	Mass-Labelled PFCA/PFSA Injection Standard (4)	1.2 ml	2.0 µg/ml ea
EPA-537IS	U.S. EPA Method 537 Internal Standard PDS (3)	1.2 ml	variable
EPA-537SS-R1	U.S. EPA Method 537 Surrogate PDS (4)	1.2 ml	variable
MPFAC-24ES	Mass-Labelled PFAS Extraction Standard (19)	1.2 ml	1.0 µg/ml ea

