

Table 1 : Major PFCA compounds

Number of carbons	Abbreviation	Name	CAS No.
C4	PFBA	Perfluorobutanoic Acid	375-22-4
C6	PFHxA	Perfluorohexanoic Acid	307-24-4
C8	PFOA	Perfluorooctanoic Acid	335-67-1
C9	PFNA	Perfluorononanoic Acid	375-95-1
C10	PFDA	Perfluorodécanoic Acid	335-76-2
C11	PFUnDA	Perfluoroundécanoic Acid	2058-94-8
C12	PFDoDA	Perfluorododécanoic Acid	307-55-1
C13	PFTTrDA	Perfluorotridecanoic Acid	72629-94-8
C14	PFTeDA	Perfluorotétradecanoic Acid	376-06-7
C15	PFPeDA	Perfluoropentadecanoic Acid	141074-63-7
C16	PFHxDA	Perfluorohexadecanoic Acid	67905-19-5

Table 2 : Major PFSA compounds

Number of carbons	Abbreviation	Name	CAS No.
C4	PFBS	Perfluorobutanesulfonic Acid	375-73-5
C6	PFHxS	Perfluorohexanesulfonic Acid	355-46-4
C8	PFOS	Perfluorooctanesulfonic Acid	1763-23-1
C10	PFDS	Perfluorodécanesulfonic Acid	335-77-3

Table 3 : Main precursor families

Abbreviation	Name
PAP / diPAP	Polyfluoroalkyl phosphate esters
FTOH	Fluorotelomer alcohols
FTMAcr	Fluorotelomer methacrylates
FTAcr	Fluorotelomer acrylates
FTS	Fluorotelomer sulfonates
FOSA	Perfluoroalkane sulfonamides

Figure 1: Side Chain Fluorinated Polymer (SCFP)

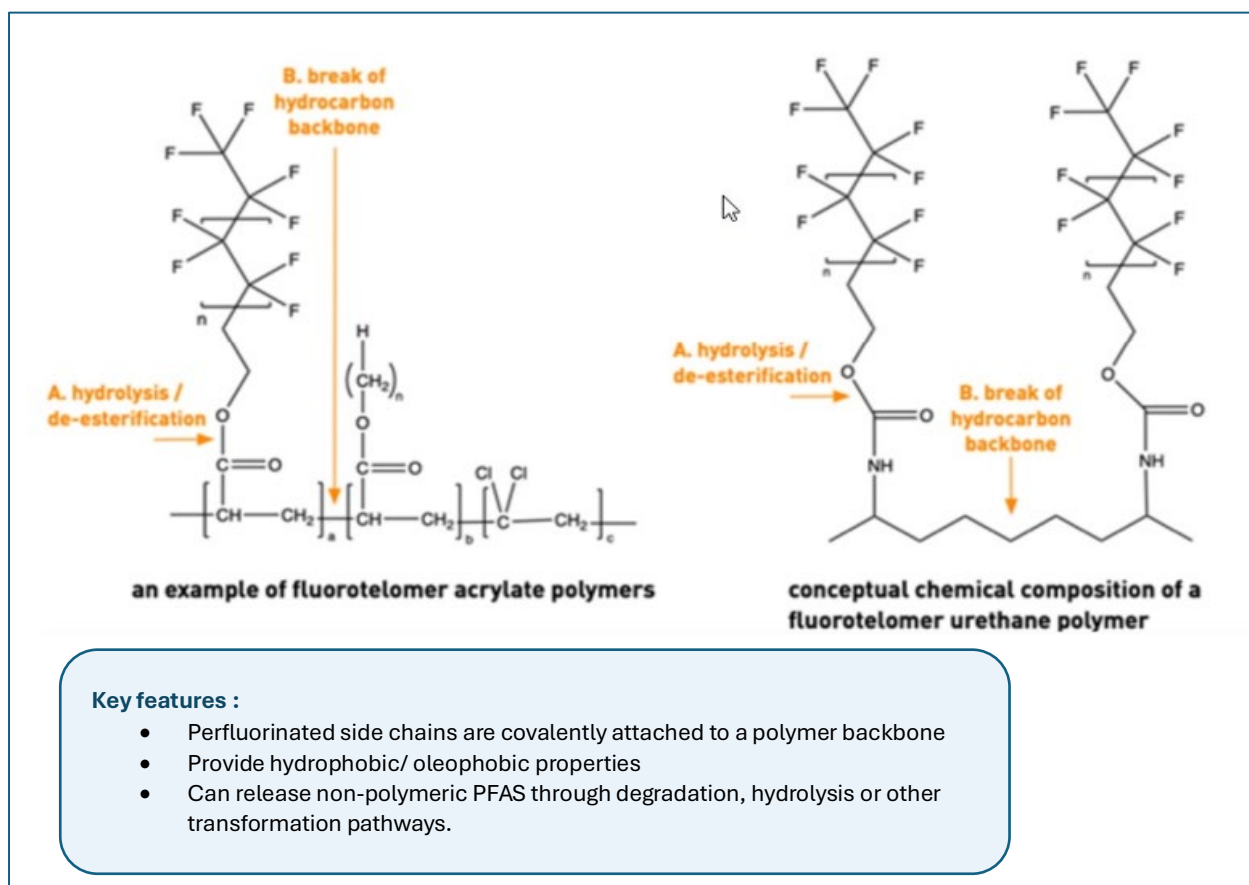


Table 4: Non polymeric precursors

Abbreviation	Family of precursors	Example of precursor molecules	Terminal PFAS	Type of PFAAs
FOSA	Perfluoroalkane sulfonamides	FOSA	PFOS	PFSA
FOSE	Perfluoroalkane sulfonamido ethanols	MeFOSE, EtFOSE	PFOS	PFSA
FOSAA	Perfluoroalkane sulfonamido acetic acids	MeFOSAA, EtFOSAA	PFOS	PFSA
FTOH	Fluorotelomer alcohols	6:2 FTOH, 8:2 FTOH	PFHxA, PFOA	PFCA
FTS	Fluorotelomer sulfonates	6:2 FTS, 8:2 FTS	PFHxA, PFOA	PFCA
PAP / diPAP	Polyfluoroalkyl phosphate esters	6:2 diPAP, 8:2 diPAP	PFHxA, PFOA	PFCA
FTAc	Fluorotelomer acrylates	8:2 FTAc	PFOA	PFCA
FTMAc	Fluorotelomer methacrylates	8:2 FTMAc	PFOA	PFCA

Figure 2: Synthetic overview of PFAS degradation

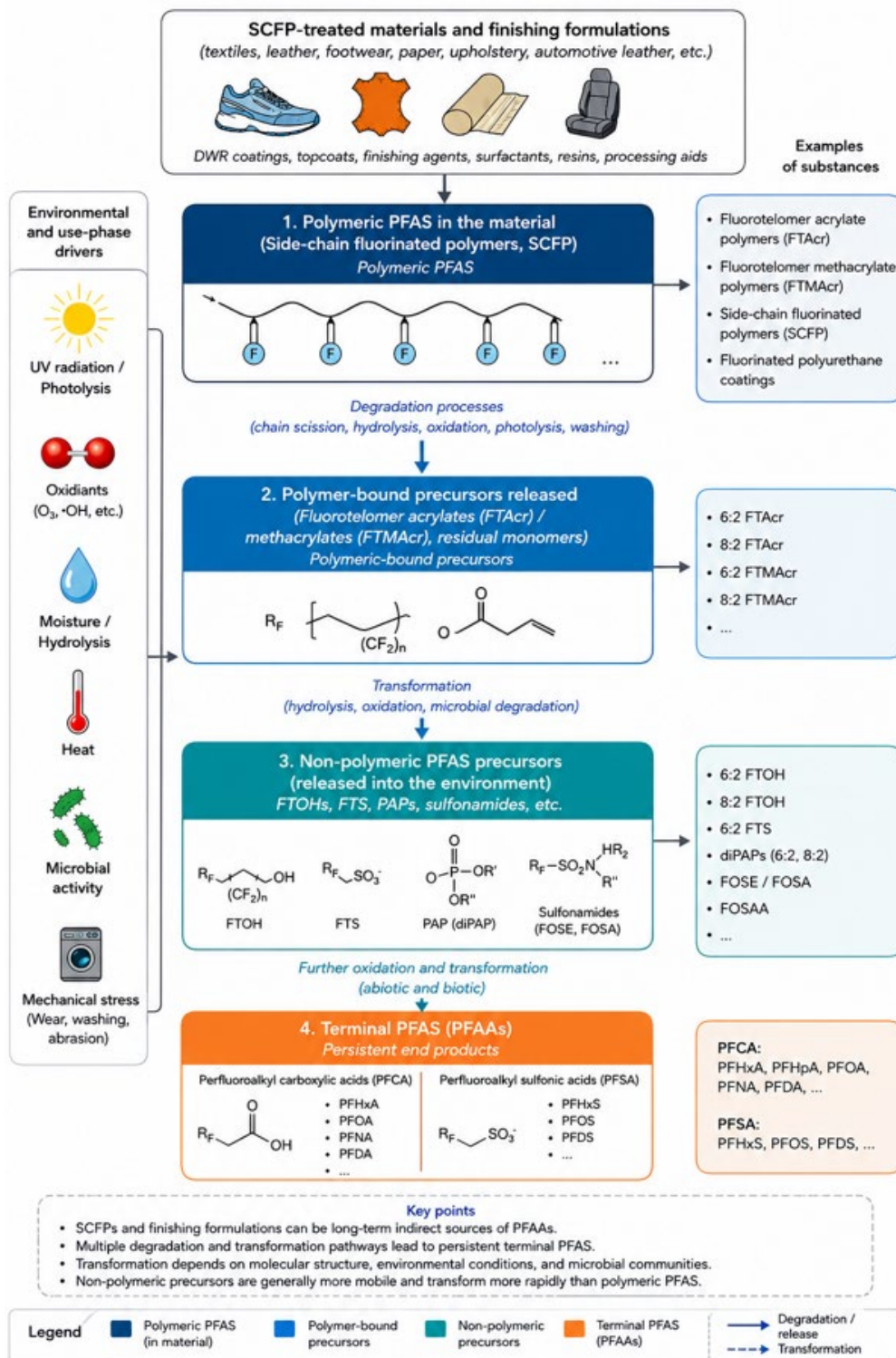
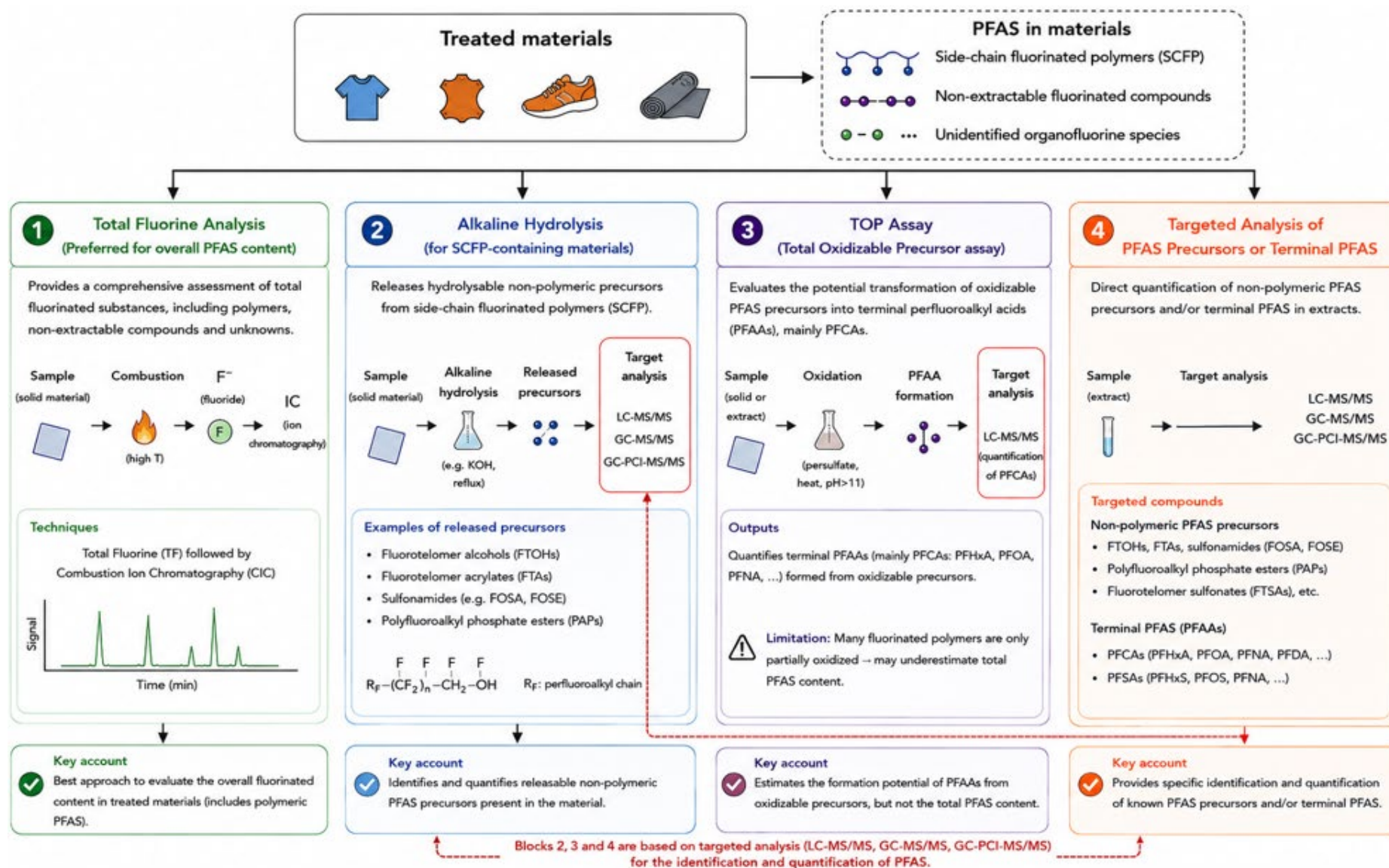


Figure 3: schematic representation of the analytical solutions



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