

# Safeguard Our Water from PFAS: Analytical Methods at a Glance

Method	EPA 537 & 537.1	EPA 533	EPA 8327	EPA 1633	ASTM D8421	ASTM D8535
Sample	Drinking Water	Drinking Water	Ground/ Surface/ Wastewater	Aqueous, solid (soil, biosolids, sediment), tissue samples	Municipal influent and effluent, industrial wastewater, groundwater, surface water and leachate	Soil, Sediment, Sludge, Biosolids
Sample Preparation	Solid phase extraction (polymeric sorbent)	Solid phase extraction (anionic sorbent)	Cosolvation + filtration	Solid phase extraction (anionic sorbent) or solvent extraction + SPE, Carbon clean-up	Cosolvation + filtration	Solvent extraction + filtration
Quantitation	Internal standard calibration (1 MRM)	Isotopic dilution	External calibration	Isotopic dilution	External calibration (2 MRMs + ion ratio) Isotopic dilution optional	External calibration (2 MRMs + ion ratio) Isotopic dilution optional
Targets	EPA 537 – 14 EPA 537.1 – 18	25	24	40	44	44
Applicable LC-MS/MS Platforms	LCMS-8045 LCMS-8050	LCMS-8045 LCMS-8050	LCMS-8050 LCMS-8060 LCMS-8060NX	LCMS-8045 LCMS-8050 LCMS-8060	LCMS-8060NX	LCMS-8050 LCMS-8060 LCMS-8060NX