

contamination

water repellent PFAS PFOA PFOS

chemical compounds forever chemicals

**Water Pollution** toxic and carcinogenic

biochemistry

cancer

polyfluoroalkyl

waterproof

**PFAS**

Human health

impermeable

warning

environmental damage

Perfluoroalkyl and Polyfluoroalkyl

water-resistant properties

organofluorine fluorochemicals

PFAS exposure

# S\*PURE SOLUTION FOR PFAS IN ENVIRONMENTAL SAMPLES

## SUMMARY OF CURRENT PFAS METHODS



	<b>EPA 537.1</b>	<b>EPA 533</b>	<b>EPA 1633</b>	<b>DOD QSM 5.3</b>	<b>ISO 25101/21675</b>
<b>MATRIX</b>	Drinking water	Drinking water	Aq, solid (soil, biosolids, sediments) & tissue samples	Drinking and Non-potable water	Drinking and Non-potable water
<b>NO. OF ANALYTES</b>	18	25 (including 4 from 537.1 and 11 new short chain cpds)	40	32	2 / 30
<b>ANALYSIS METHOD</b>	LC-MS/MS	LC-MS/MS	LC-MS/MS	LC-MS/MS	Unfiltered samples using SPE & LC-MS/MS
<b>SPE MEDIA</b>	SDVB, Styrenedivinyl benzene	Polymeric Weak Anion Exchange	Weak Anion Exchange, Carbon Cleanup	Polymeric Weak Anion Exchange with Graphitized Carbon Black	Weak Anion Exchange
<b>S*PURE SPE</b>	Coming soon	SEClute PFAS P-WAX	SEClute PFAS P-WAX/GCB	SEClute PFAS P-WAX/GCB	SEClute PFAS P-WAX

METHOD	TITLES
EPA 537.1	Determination of Selected Per- and Polyfluorinated Alkyl Substances in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)
EPA 533	Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry
EPA 1633	Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS
ISO 25101:2009	Water quality — Determination of perfluorooctanesulfonate (PFOS) and perfluorooctanoate (PFOA) — Method for unfiltered samples using solid phase extraction and liquid chromatography/mass spectrometry
ISO 21675:2019	Water quality — Determination of perfluoroalkyl and polyfluoroalkyl substances (PFAS) in water — Method using solid phase extraction and liquid chromatography-tandem mass spectrometry (LC-MS/MS)
DOD QSM 5.3	The DOD QSM (Quality Systems Manual) Is not a test method per se. Instead, it is a set of protocols to be used for DOD projects. QSM 5.3 and 5.4 are also applicable to civilian projects upon the client organization’s direction (e.g., In the absence of an applicable final US EPA test method)



# OUR PFAS PRODUCTS

S*Pure PFAS Cartridges	Material Number
<b>SEClute PFAS P-WAX</b>	
150mg/6ml	PWAX.15.00.6.30
200mg/6ml	PWAX.20.00.6.30
500mg/6ml	PWAX.50.00.6.30
<i>(Note: P-WAX is 40um)</i>	
<b>SEClute PFAS P-WAX/GCB</b>	
500mg/50mg/6ml	WXCB.50.05.6.30
200mg/10mg/6ml	WXCB.20.01.6.30
200mg/50mg/6ml	WXCB.20.05.6.30
250mg/50mg/6ml	WXCB.25.05.6.30
50mg/200mg/6ml	WXCB.05.20.6.30
<i>(Note: P-WAX is 40um)</i>	

S*Pure PFAS Cartridges	Material Number
<b>SEClute PFAS GCB/P-WAX</b>	
10mg/200mg/6ml	CBWX.01.20.6.30
50mg/200mg/6ml	CBWX.05.20.6.30
250mg/100mg/6ml	CBWX.25.10.6.30
<i>(Note: P-WAX is 40um)</i>	
<b>SEClute PFAS SDVB</b>	
500mg/6ml	Coming soon
<b>Accessories</b>	
12-Port SPE Vacuum Manifold System	5122428
24-Port SPE Vacuum Manifold System	5122426
Extract-Clean™ 75mL Reservoir 50pk	3119413
Syringe Adaptor for Small SPE Col. 15pk	5125469