

PFAS | PFOA | PFOS

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BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Choose An Accredited Lab

Babcock Labs has more than 20 years of experience analyzing contaminants of emerging concern — including PFAS — under contract with the EPA, for large water systems, and non-potable treatment systems. Babcock PFAS accreditation includes Federal approval under the Department of Defense, California accreditation for potable and non-potable matrices, and multiple state accreditations for drinking water.

For over 115 years, Babcock Labs has demonstrated a commitment to data integrity and high ethical standards. In addition to the rigorous Quality Control procedures followed as part of the testing process, data integrity at Babcock Labs also involves review of the pertinent regulatory limits and client historical data for early identification of data anomalies.

With LC/MS/MS Expertise

Babcock Laboratories is recognized as a leader in the industry, and that recognition includes over 15 years of LC/MS/MS expertise, the leading technology for determination of PFAS. We have received industry commendation for our innovative and extensive LC/MS/MS research and method development including acknowledgement for technical assistance in the publication of EPA Method 533. Our current capability extends to long and short-chain PFAS and allows us to detect PFAS at subnanogram-per-liter (ppt) levels in water.

Our clients include the U.S. EPA, public water systems, and engineering firms. Due to the diversity of our clients, we have experience providing a wide variety of electronic deliverables and hardcopy data deliverables, as well as sampling services. Learn about PFAS sampling services performed by our in-house team of qualified field technicians.



Polyfluoroalkyl Substances (PFAS)

Polyfluoroalkyl Substances (PFAS) are a diverse group of manufactured compounds frequently used as surfactants in industrial, consumer, military, and firefighting applications across the United States, such as Aqueous Film Forming Foam (AFFF) firefighting products, textiles, carpeting, metal plating, paper food packaging, cleaning products, coating additives, and pesticides.

PFAS compounds exhibit distinctive chemical characteristics that make them stable in the environment and resistant to degradation, allowing them to bioaccumulate in soil, sediment, groundwater, and animal tissue over time. Two types of PFAS are particularly persistent: Perfluorooctanesulfonic acid (PFOS) and Perfluorooctanoic acid (PFOA). PFOS and PFOA are perfluorinated organic compounds which happen to be the most commonly produced PFAS in the U.S.

Regulatory Action Underway

PFAS has made State and National news due to its pervasiveness and adverse effects on the environment and public health. For this reason, both the U.S. EPA and California State Water Resources Control Board (State Board) announced PFAS action plans. The State Board's Division of Drinking Water (DDW) announced its phased investigation approach to PFAS and issued order letters to drinking water and landfill agencies, as well as airports. Further, California passed legislation requiring those public water systems to report confirmed detections in their annual consumer confidence report and take immediate action should the contaminants exceed response levels set significantly lower than the federal levels.

The State Board's Division of Water Quality (DWQ) has also recently issued orders requiring quarterly monitoring at Public Owned Treatment Works (POTW). In the 4th quarter of 2020, POTWs started conducting PFAS sampling of treatment plant influents, effluents, RO concentrates, biosolids, and monitoring wells to evaluate the potential impact of PFAS on the POTW and the environment. The state board requires non-potable sources be tested by laboratories with California Environmental Laboratory Accreditation (ELAP) approval for PFAS in accordance with the Department of Defense Quality Systems Manual Version 5.1 or later (DoD QSM Ver. 5.1).

Method	DoD QSM 5.3 Table B15	Method 537.1	Method 533	DoD QSM 5.3 Table B15
Regulation/Agency	Federal DoD	DoD, SDWA	DoD, SDWA	Federal DoD
Compound	Liquid	DW	DW	Sludge/Soil
PFBA	X		X	X
PFPeA	X		X	X
PFHxA	X	X	X	X
PFHpA	X	X	X	X
PFOA	X	X	X	X
PFNA	X	X	X	X
PFDA	X	X	X	X
PFUnA	X	X	X	X
PFDoA	X	X	X	X
PFTrDA	X	X		X
PFTeDA	X	X		X
PFHxDA	X			X
PFOcDA	X			X
PFBS	X	X	X	X
PFPeS	X		X	X
PFHxS	X	X	X	X
PFHpS	X		X	X
PFOS	X	X	X	X
PFNS	X			X
PFDS	X			X
4:2-FTS	X		X	X
6:2-FTS	X		X	X
8:2-FTS	X		X	X
10:2-FTS	X			X
3:3 FTCA (FPrPA)	X			X
5:3 FTCA (FPePA)	X			X
7:3 FTCA (FHpPA)	X			X
N-MeFOSAA	X	X		X
N-EtFOSAA	X	X		X
N-MeFOSA	X			X
N-EtFOSA	X			X
N-MeFOSE	X			X
N-EtFOSE	X			X
PFMPA	X*		X	
PFMBA	X*		X	
PFEESA	X*		X	
NFDHA	X*		X	
PFOSA	X			X
HFPO-DA	X	X	X	X
ADONA	X	X	X	X
9CI-PF3ONS	X	X	X	X
11CI-PF3OUdS	X	X	X	X

X*= Certification in Progress
DoD: Department of Defense
SDWA: Safe Drinking Water Act

Babcock State Certifications/Capabilities				
	Drinking Water EPA 537/537.1	Drinking Water EPA 533	By Regulatory Program: CWA and RCRA Non-potable Liquid	By Regulatory Program: CWA and RCRA Sludges & Solids
AL	X	X*	X*	X*
CA	X	X*	X	X
HI	X	X*	X*	X*
OR	X	X*	X	X
Fed. DoD	X	X*	X	X

X* Please inquire regarding regulatory status

What sets Babcock Labs apart?

At Babcock Laboratories we aim to provide each client with the Babcock Experience. The Babcock Experience involves customer service that goes above and beyond the competition by focusing on going the extra mile, finding better ways, working together, doing the right thing, and owning it with our clients. We are 100% employee-owned (ESOP), majority women-owned (WBE under CA PUC), and a small business enterprise (SBE) that is committed to providing you with personalized service.

**Go the Extra Mile
Find Better Ways
Work Together
Do the Right Thing
Own It**

Learn More:

babcocklabs.com/mission-vision-values

Contact Us

Discover our suite of PFAS testing services by visiting us online at:

babcocklabs.com/pfas-pfcs

or call us directly for a quote:

951-653-3351

