



# PFAS CAPABILITIES

## Leaders in Environmental Testing

Advanced Environmental Laboratories, Inc. (AEL) is a leader in environmental laboratory testing, providing unmatched quality and customer service. We perform PFAS analysis in our state-of-the-art laboratory using Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS). Using the isotope dilution method, we can achieve low reporting limits that meet the EPA regulatory guidelines for safe drinking water. We also test for PFAS in a variety of matrices including drinking water, groundwater, surface water, wastewater, soil/sediment, leachate, and hazardous waste. Our client portfolio includes cities, counties, municipalities, consultants and engineers, Department of Defense (DoD), and other federal agencies and programs.

## Certifications and Small Business Enterprise



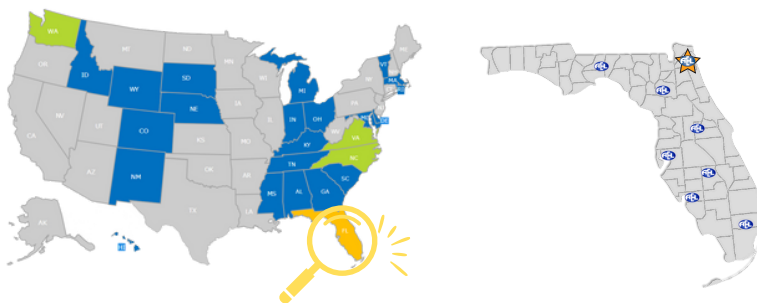
AEL has nationwide coverage with TNI certification in FL, GA, AL, NC, VA, and WA as well as eligibility for reciprocity in 19 other states. Additionally, we are ISO-17025 accredited.



AEL has been performing Department of Defense (DoD) work since 2001 and has held DoD-ELAP accreditation since 2011.



We are the nation's largest small business environmental laboratory therefore we combine the customer service and SBE contract requirements of a small business while still providing the capabilities and qualifications of a large laboratory network.



PFAS Laboratory in AEL's Jacksonville, FL Corporate Headquarters

### Why Use AEL?

- Competitive turn around time (TAT) with options for expedited results
- A wide range of test methods to fit every project need, including: EPA 533, EPA 537.1, EPA 1633, EPA 8327, ASTM 8421, and PFAS by LC-MS/MS Compliant with Table B-15 or B-24 of QSM 5.4
- Level IV data packages, electronic data deliverables (EDDs), and custom reports available
- Multiple instruments and automated sample prep systems to achieve high throughput
- A team of experienced analysts and project managers to ensure success on every project

■ Accepts Reciprocity with TNI Certification  
 ■ TNI Certification  
 ■ Primary TNI Certification

# PFAS TESTING CAPABILITIES

AEL partners with clients across the United States to help solve their most complex PFAS challenges. We offer several options for PFAS testing including: EPA 533, EPA 537.1, EPA 1633, EPA 8327, ASTM D8421, and PFAS by LC-MS/MS Compliant with Table B-15 or B-24 of QSM 5.4.

## DRINKING WATER ANALYSIS

On April 10, 2024, EPA announced the final National Primary Drinking Water Regulation (NPDWR) for six PFAS and lowered the MCL for PFOA and PFOS to 4 ppt. The preferred PFAS analytical methods for testing drinking water are EPA Methods 533 and 537.1. Using the two methods, the EPA has targeted testing drinking water for 29 PFAS compounds under the national UCMR 5 testing program for Public Water Systems. Both methods specify isotope dilution quantitation with solid phase extraction (SPE) followed by LC-MS/MS analysis.

AEL is certified to perform both Method 533 and 537.1 in drinking water as well as certified by the EPA to perform UCMR 5 PFAS analysis. AEL has expanded our PFAS lab by adding new instruments and staff to keep up with the increased demand to test for drinking water.



## NON-POTABLE WATER AND SOIL

Until 2021 there was not an EPA validated test method for non-drinking water matrices. AEL developed an in-house method for analysis of non-potable water and solid samples by LC/MS/MS as SOP-041. We also developed a method for PFAS by LC/MS/MS Compliant with Table B-15 or B-24 of the DoD QSM 5.4. Most recently the EPA developed Method 1633 which is a more robust method covering PFAS compounds in wastewater, groundwater, surface water, landfill leachate, and solid matrices. AEL has multiple instruments analyzing samples by EPA Method 1633.

Any customers seeking analysis for non-potable water or solids should contact AEL to discuss the method options. One of the main challenges to Method 1633 is the time-consuming sample extraction process. AEL is continually optimizing its PFAS analytical procedures to provide solutions to reduce cost and expedite turn-around-time. AEL provides a competitive turnaround time for PFAS and can even provide expedited turnaround time when required.

### CONTACT

904.363.9350 OR [sales@aellab.com](mailto:sales@aellab.com)

### LOCATIONS

FL - JACKSONVILLE, TAMPA,  
GAINESVILLE, ORLANDO, MIAMI, FORT  
MYERS, LAKE PLACID, TALLAHASSEE

