



# Laboratory Testing Guidelines for Per- and Polyfluoroalkyl Substances (PFAS)

Recommended guidelines for testing for Per- and Polyfluoroalkyl Substances (PFAS) in water are provided below in two sections. The first section summarizes the recommended analytical requirements for testing water samples obtained from a private well or public water system.

The second section summarizes the recommended analytical requirements for testing water samples obtained as part of sampling at a site that will be submitted to NHDES' Waste Division programs.

A list of laboratories that provide PFAS testing services is on the back of this document. Please ensure the laboratory you utilize can meet the recommendations provided below prior to contracting with the laboratory.

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## PFAS Sampling Recommendations for Public Water Systems and Private Well Owners

- 1) Reporting Limits:** Analytical methods with reporting limits of at least 5 nanograms per liter should be utilized.
- 2) Analytical Methods:** 1) Analytical methods that use isotope dilution conducted by laboratories accredited by the Department of Defense or the National Environmental Laboratory Accreditation Program (NELAP); or 2) EPA Method 537 Rev 1.1 following the provisions of EPA Technical Advisory 815-B-16-021 issued in September 2016 for PFOA by laboratories with NELAP accreditation from NH or another state.
- 3) Analytes:** The following PFAS were included on the United States Environmental Protection Agency's Unregulated Contaminant Monitoring Rule (UCMR) Round 3 list and as a minimum, ***should be included*** in the requested analysis:

Perfluorooctanesulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)
Perfluorohexanesulfonic acid (PFHxS)	Perfluoroheptanoic acid (PFHpA)	Perfluorobutanesulfonic acid (PFBS)

The following additional PFAS have been regularly detected in groundwater samples in New Hampshire Drinking Water PFOA Investigation and are also recommended target analytes to include in the PFAS analysis.

Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)
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## Per and Poly Perfluoroalkyl (PFAS) Sampling Recommendations for sampling data that will be submitted to NHDES' Waste Division

- 1) Reporting Limits:** Analytical methods with reporting limits of at least 5 nanograms per liter should be utilized.
- 2) Analytical Methods:** Analytical methods that use isotope dilution conducted by laboratories accredited by the Department of Defense or the National Environmental Laboratory Accreditation Program (NELAP).
- 3) Analytes:** The following PFAS should be included the requested analysis at a minimum:

Perfluorooctanesulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)
Perfluorohexanesulfonic acid (PFHxS)	Perfluoroheptanoic acid (PFHpA)	Perfluorobutanesulfonic acid (PFBS)
Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)

## Addressing Contaminants Other than PFAS

Water from your private well is likely to contain other contaminants that have health-based drinking water standards or advisory levels such as arsenic, uranium, radon, manganese, nitrate and bacteria, which are naturally occurring or originate from other nearby land uses. It is important for all private well users to test for these contaminants and ensure that the water treatment technology that is utilized is also appropriate for these contaminants if they are present in your drinking water at elevated concentrations. For more information and technical assistance about testing and treating your drinking water these contaminants, go to <http://xml2.des.state.nh.us/DWITool/>.

### Labs Providing PFAS Analytical Services

(This list is not a complete list and does not constitute an endorsement of those firms on the list, nor is it a statement against any firm not on the list. Additionally, the capacity of the labs to provide services consistent with NHDES' recommendations above has not been verified and these details should be addressed prior to contracting with the laboratories below.)

Absolute Resource Associates 124 Heritage Ave, Unit 16 Portsmouth, NH 03801 (603) 436-2001 <a href="mailto:info@absoluteresourceassociates.com">info@absoluteresourceassociates.com</a> Absoluteresourceassociates.com	Eurofins Eaton Analytical 110 S Hill Street South Bend, IN 46617 (215) 499-4578 <a href="mailto:RonaldMilke@eurofinsUS.com">RonaldMilke@eurofinsUS.com</a> eurofinsus.com/eaton	RWA Lab Services 90 Sargent Drive New Haven CT 06511 (203) 401-2700 <a href="mailto:tburns@rwater.com">tburns@rwater.com</a> rwalab.com
ALS Global 1317 South 13th Ave Kelso, WA 98626 (360) 577-7222 <a href="mailto:Chris.Leaf@alsglobal.com">Chris.Leaf@alsglobal.com</a> alsglobal.com	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17601 (717) 656-2300 <a href="mailto:LancLabsEnv@eurofinsUS.com">LancLabsEnv@eurofinsUS.com</a> EurofinsUS.com/LancLabsEnv	Seacoast Analytical Laboratory 72 Pinkham Road Lee, NH 03861 (603) 868-1457 <a href="mailto:customerservice@seacoastanalytical.com">customerservice@seacoastanalytical.com</a> seacoastanalytical.com
Aquarian Analytical Lab 153 West Road Canterbury, NH 03224 (603) 783-9097 <a href="mailto:jsherburne@aquarianlabs.com">jsherburne@aquarianlabs.com</a> aquarianlabs.com	Granite State Analytical 22 Manchester Rd Derry, NH 03038 (603) 432-3044 <a href="mailto:info@granitestateanalytical.com">info@granitestateanalytical.com</a> granitestateanalytical.com	SGS Accutest – Orlando 4405 Vineland Rd, Ste C-15, Orlando FL 32811 (407) 425-6700 <a href="mailto:norman.farmer@sgs.com">norman.farmer@sgs.com</a> sgs.com
Eastern Analytical, Inc. 25 Chenell Drive Concord, NH 03301 (603)228-0525 / (800)287-0525 <a href="mailto:CustomerService@easternanalytical.com">CustomerService@easternanalytical.com</a> easternanalytical.com	Nelson Analytical Lab 120 York St., Kennebunk, ME 04043 (207) 467-3478 <a href="mailto:lmaling@nelsonanalytical.com">lmaling@nelsonanalytical.com</a> nelsonanalytical.com	TestAmerica Laboratories, Inc. 880 Riverside Parkway, West Sacramento, CA 95864 (916) 373-5600 <a href="mailto:crm-west@testamericainc.com">crm-west@testamericainc.com</a> testamericainc.com
EnviroSystems, Incorporated 1 Lafayette Road Hampton, NH (603) 926-3345 <a href="mailto:ksimon@envirosystems.com">ksimon@envirosystems.com</a> envirosystems.com	Nelson Analytical Lab 490 E. Industrial Park Dr. Manchester, NH 03109 (603) 622-0200 <a href="mailto:info@nelsonanalytical.com">info@nelsonanalytical.com</a> nelsonanalytical.com	Vista Analytical Laboratory 1104 Windfield Way El Dorado Hills, CA 95762 (916) 673-1520 <a href="mailto:mmaier@vista-analytical.com">mmaier@vista-analytical.com</a> vista-analytical.com
Eurofins Eaton Analytical Inc. 750 Royal Oaks Drive, Suite 100. Monrovia, CA 91016 (626) 386-1100 <a href="mailto:AndoraNguyen@EurofinsUS.com">AndoraNguyen@EurofinsUS.com</a> eurofinsus.com	Pace Analytical Services – Florida 8 East Tower Circle Ormond Beach, FL 32174 (386) 672-5668 <a href="mailto:Paul.Jackson@pacelabs.com">Paul.Jackson@pacelabs.com</a> pacelabs.com	Con-Test Analytical Laboratory 39 Spruce Street East Longmeadow, Massachusetts 01028 (413) 525-2332 <a href="mailto:kallen@contestlabs.com">kallen@contestlabs.com</a> <a href="http://www.contestlabs.com">www.contestlabs.com</a>
Alpha Analytical 320 Forbes Boulevard Mansfield, MA 02048 800-624-9220 <a href="mailto:cs@alphalab.com">cs@alphalab.com</a> <a href="http://www.alphalab.com">www.alphalab.com</a>		