

## **PFAS LABORATORY AND REPORTING INFORMATION**

### **Sample Analysis:**

Follow sampling guidelines, preservatives, and containers as specified in EPA Method 537.1 (2018). Ensure that extraction and analysis holding times are met according to Section 8.5 of the Method. The preservative used should be 5 grams/liter Trizma© crystals (equal to 1.25 grams per 250 mL container) and sample containers should be 250 mL polypropylene sample bottles fitted with unlined polypropylene screw caps. Trizma© acts as a buffer and removes free chlorine in chlorinated finished drinking water.

### **Analytical and Reporting Requirements:**

The recommendations for determining a detection limit (DL) and reporting limit (RL) in method 537.1 shall be followed. The maximum acceptable laboratory reporting limit for each respective analyte for PFOA, PFOS, PFHxS, PFHpA, and PFNA is 2 ng/L. Sampling results shall be reported to the nearest 0.1 ng/L. All analytical laboratory reports shall report on all 18 analytes identified in EPA Method 537.1.

Laboratories must report PFAS in the acid form. Linear and branched isomers must be quantified and combined to determine the total. If standards containing the branched and linear isomers cannot be purchased, only the linear isomer can be identified and quantitated in field samples and QC samples using the linear standards because the retention time of the branched isomers cannot be confirmed.

### **Data Reporting:**

Sampling results should be reported to the Drinking Water and Groundwater Protection Division (Division) within 10 days of receipt of a validated laboratory report and sent to the Division electronically using csv or Excel format. PDFs of lab reports may be submitted by email to [ANR.DWpfasdata@vermont.gov](mailto:ANR.DWpfasdata@vermont.gov). Please note that only PFAS data can be submitted through email to this address. All other data must be submitted to the Drinking Water Program through US mail or fax. **Prior sample results analyzed by a method other than EPA 537.1 will not be accepted under this requirement.** Data with qualifiers shall be flagged, particularly when detections are found in field blanks, trip blanks, and instrument blanks at or above the RL. Results with detections and/or qualified data must be submitted to the Division as soon as possible.

Ensure that the correct codes such as Facility ID, Sample Point, and WSID found on the water system's routine monitoring schedule are used and present on the submitted data.

**A Field blank and Trip blank are required. Refer to Sample Collection Guidance for additional information.**

If any of the 5 regulated PFAS are detected above the reporting level of 2 ng/L in the sample, trip blanks and field blanks will need to be analyzed and reported. Field blanks and Trip blanks do not need to be analyzed or reported if PFAS are not detected above reporting levels in the samples.