

**Author:** Lena Werner

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**SBU:** 526

**Distribution:**

**Product group:** Solvents for HPLC

internal

**Product:** Solvents for PFAS analysis

Dealers

**For internal use and dealers only!** (Not for distribution to end-customers)

**Topic**      **Product Launch**

**Title**        **New UHPLC-MS Solvents for PFAS analysis**

**To whom it may concern,**

We are excited to announce the launch of our new ultra-high purity solvents specifically designed for PFAS analysis, compliant with EPA methods 533 and 537.1. This initiative responds to the increasing regulatory demands and the critical need for reliable testing solutions in the field of PFAS detection.

These solvents are tailored to minimize background interference, ensuring accurate identification and quantitation of PFAS analytes. They have been rigorously tested to ensure that none of the 29 PFAS analytes defined by EPA 533 and EPA 537.1 exceed the EPA-defined lowest concentration minimum reporting levels (LCMRLs).



**Benefits:**

- Ultra-high purity: designed for sensitive LC-MS/MS and UHPLC analysis in the low ppt range.
- Reduced background interference: enhancing accuracy and reliability, reduced false positive or false negative results.
- Tested for all 29 PFAS listed in EPA methods 533 and 537.1.
- Batch-to-batch consistency: consistent product quality support reliable testing outcomes
- Packed in high-quality borosilicate glass bottles: minimized metal ion contamination.
- Microfiltration through 0.2 µm filters: ensures quality.

| Product Number      | Product Description   | Pack Size |
|---------------------|---|-----------|
| <b>1.04726.1000</b> | Acetonitrile tested for EPA533 and EPA537.1 PFAS Methods<br>LiChrosolv® | 1 L       |
| <b>1.04732.1000</b> | Methanol tested for EPA533 and EPA537.1 PFAS Methods<br>LiChrosolv®     | 1 L       |
| <b>1.04735.1000</b> | Water tested for EPA533 and EPA537.1 PFAS Methods<br>LiChrosolv®        | 1 L       |



## **About EPA 533 and EPA 537.1:**

EPA Method 533 and EPA Method 537.1 are analytical methods developed by the U.S. Environmental Protection Agency for detecting specific contaminants in drinking water.

### **EPA Method 533**

- Focus: This method is designed to detect per- and polyfluoroalkyl substances (PFAS) in drinking water.
- Technique: It utilizes liquid chromatography coupled with tandem mass spectrometry (LC-MS/MS).
- Importance: PFAS are a group of synthetic chemicals that are persistent in the environment and can pose health risks.

### **EPA Method 537.1**

- Focus: This method targets a broader range of PFAS compounds in drinking water.
- Technique: Similar to Method 533, it employs LC-MS/MS for analysis.
- Updates: Method 537.1 includes updated procedures and quality control measures to enhance detection capabilities.

Both methods are essential for monitoring and regulating PFAS levels in drinking water to ensure public health and safety.

We encourage you to familiarize yourself with these products and reach out to your clients to discuss how these solvents can meet their analytical needs. Main target customers are testing labs performing drinking water analysis.

Whenever you need further support, please do not hesitate to reach out to us.

Thank you for your continued support and dedication.

Kind regards,

**Fernando Luengo**

Global Product Manager Solvents  
Analytical Essentials

**Lena Werner**

Global Product Manager Solvents  
Analytical Essentials

We trust this information will prove to be a strong support in your sales efforts and we look forward to receiving your feedback.

**your inorganics & solvents teams**