

READY TO
DO YOUR

DIRT
WORK



QSight® 500 LC/MS/MS System
with StayClean™ Technology

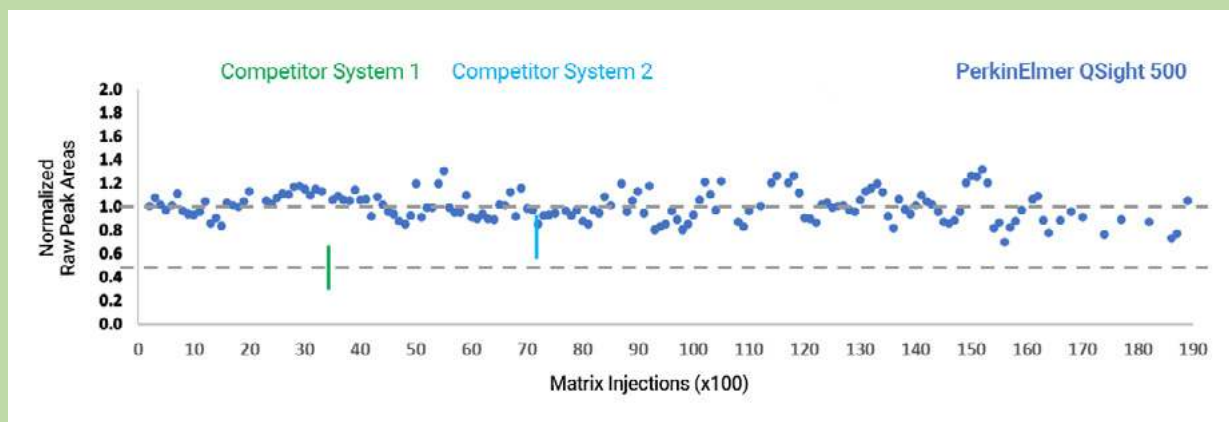
Gain More Days Of Uptime

For testing laboratories tackling pesticides, PFAS and other emerging contaminants, the PerkinElmer QSiht® 500 LC/MS/MS System delivers market leading robustness.

With minimal sample preparation and direct injection capabilities, labs can streamline processes and save time like never before.

Unlike other LC/MS/MS systems, the QSiht 500 LC/MS/MS System delivers **unmatched robustness**, dramatically reducing downtime, lowering sample prep labor costs, and maximizing sample throughput to keep your lab running efficiently and profitably.

Choose robustness and uptime over unused features and unscheduled downtime.



Showing 19,100 injections, as of publication in February 2025. Analysis still running.



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Stay Clean When Samples Get Dirty

Keep Running Longer

Matrix-induced contamination leads to sensitivity loss requiring cleaning, frequent maintenance, disrupting productivity in environmental testing labs. With **QSight StayClean™ Technology**, you can keep your lab running smoothly and efficiently.

This technology minimizes contamination and extends maintenance intervals, **allowing uptime and productivity gains.**

StayClean HSID Interface: Cleaner, More Reliable Performance

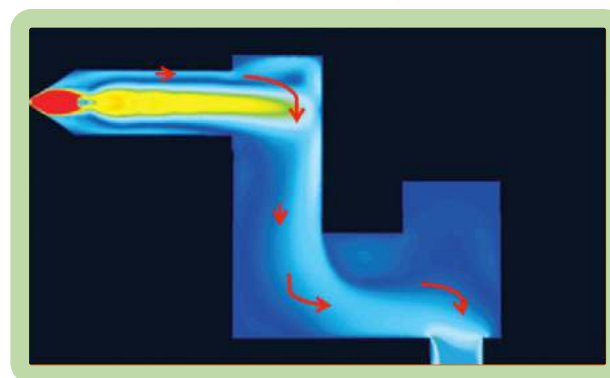
Say goodbye to frequent maintenance and hello to uninterrupted performance. The StayClean HSID Interface is designed to keep your instrument running smoothly with minimal upkeep.

Unlike traditional systems that can accumulate contamination over time, our innovative heated inner surface prevents buildup, while a hot laminar flow ensures efficient desolvation of charged species. This means enhanced ion transmission, greater signal stability, and long-term reliability—so you can focus on your work, not on cleaning.

With the StayClean HSID Interface, you get:

- ✓ Reduced contamination for cleaner data
- ✓ Consistent, reproducible results over time
- ✓ Less maintenance and downtime

Experience a smarter, more efficient way to analyze - because your time is valuable.



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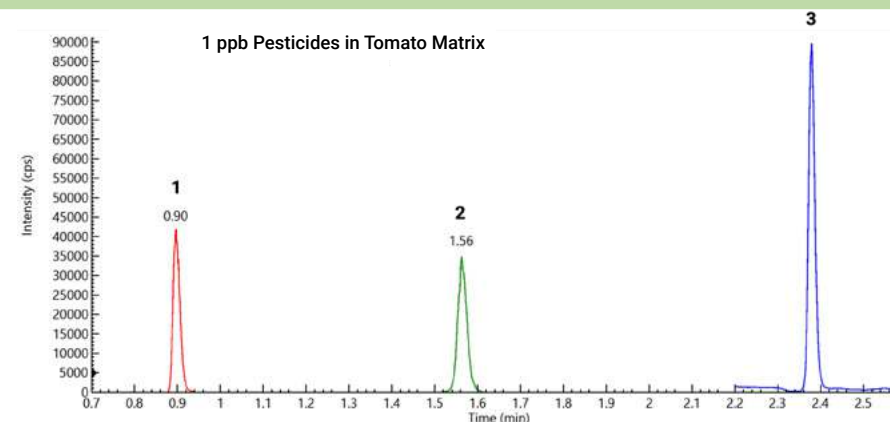
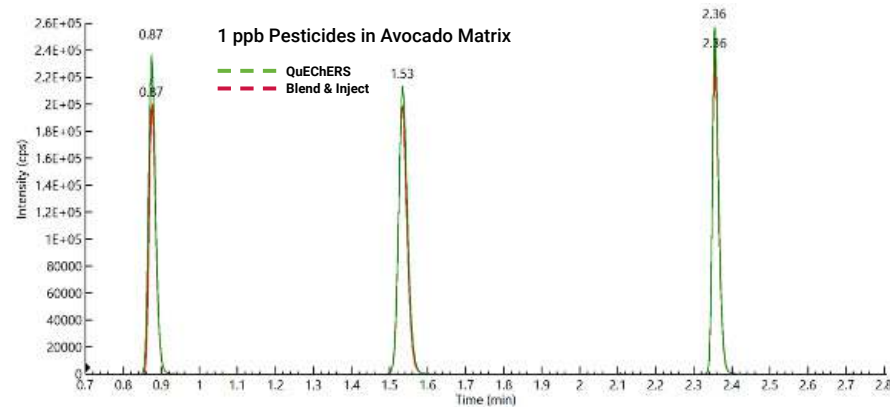
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Less Sample Prep. More Productivity.

Tackle the toughest food matrices with **minimal sample preparation and maximum efficiency**. Whether dealing with fatty avocados or aqueous tomatoes, **Blend & Inject** transforms complex samples into clean, reliable, and actionable data—without the need for extensive extraction or cleanup.

Designed to work seamlessly with the PerkinElmer QSight 500 LC/MS/MS, this streamlined approach enhances throughput while maintaining sensitivity at levels far below the regulatory limits. Comparable results to QuEChERS, but with a fraction of the prep time. With the **robustness of QSight StayClean Technology**, Blend & Inject minimizes downtime, optimizes resources, and keeps your lab running smoothly.



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Software Driving PFAS Compliance

When it comes to software, laboratories need a simple effective solution that is easy to use but provides the power to turn samples to knowledge. PerkinElmer Simplicity 3Q™ Software is a modular flexible software featuring a collection of integrated modules that guide users through a workflow-based experience from method development through to results, flexible data viewing options for sample data processing to accredited reporting.

Specifically tailored to meet EPA requirements for PFAS analysis, Simplicity 3Q Software streamlines complex tasks such as calculating the total concentration of PFAS isomers by summing their peak areas. It also enables the calculation of the Hazard Index (HI), a critical requirement under the latest EPA regulations.

PFAS Specific Software Features:

- Data reprocessing tool
- Reporting
- E-methods

The screenshot displays the PerkinElmer Simplicity 3Q Software interface, divided into two main sections: 'Dedicated PFAS E-Methods' and 'Tailored Features Supporting EPA Regulation Requirements'.

Dedicated PFAS E-Methods: This section shows the 'MS Experiment Creator' for 'Experiment 11'. It includes a table of parameters for various PFAS compounds. The table has columns for Name, Q1 Mass, Q2 Mass, Q3 Mass, and Resolution. The compounds listed are AOCNA-1, AOCNA-2, PFAS-1, PFAS-2, 6:2FTS-1, 6:2FTS-2, 13C2-6:2FTS-1, 13C2-6:2FTS-2, and 13C2-6:2FTS-3.

Tailored Features Supporting EPA Regulation Requirements: This section shows the 'Quantitation Method Editor' for 'Method Name: PFAS (1)'. It includes a table of results for various PFAS compounds. The table has columns for Name, Q1 Mass, Q2 Mass, Q3 Mass, and Resolution. The compounds listed are AOCNA-1, AOCNA-2, PFAS-1, PFAS-2, 6:2FTS-1, 6:2FTS-2, 13C2-6:2FTS-1, 13C2-6:2FTS-2, and 13C2-6:2FTS-3.

Below the table, there are two chromatograms showing 'Absolute Intensity (CPS)' versus 'Retention Time (Minutes)'. The left chromatogram shows a peak at 5.796 minutes, and the right chromatogram shows a peak at 5.796 minutes.

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Streamlining PFAS Analysis Sample Preparation

PFAS consumables testing kits offer laboratories a convenient, standardized, and reliable solution for accurate PFAS testing. Pre-assembled kits streamline workflows, reduce setup time, and eliminate the need to source individual components, resulting in faster turnaround times and improved lab productivity.

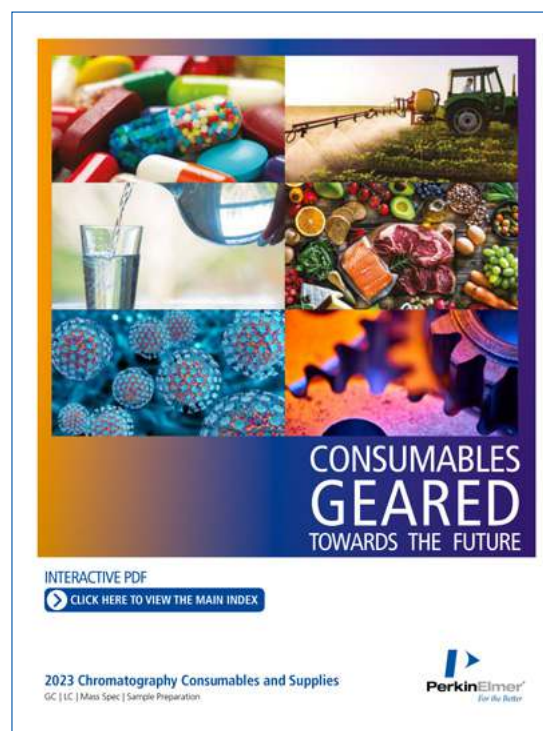
The kits components are verified to meet regulatory requirements such as EPA Method 1633, helping ensure compliance and consistency in results. With reduced risks of contamination and error, labs can rely on the accuracy of their data, which is critical for meeting environmental regulations, supporting public health initiatives, and addressing legal cases related to PFAS contamination. Additionally, the kits are cost-effective the components provided at bulk pricing help reduce waste and save time.

This combination of convenience, precision, and regulatory adherence helps grow a laboratory's credibility and overall operational efficiency.

■ **PFAS Testing Starter Kit for EPA Method 1633:** This kit is designed to equip new labs with essential consumables for PFAS analysis, including PTFE-free upgrade kits, dual-bed solid-phase extraction (SPE) cartridges, guard columns, delay columns, analytical columns, and vials. It's the ideal solution for labs seeking to quickly establish operations and meet regulatory testing requirements.



[LC-MS Consumables](#)



[Chromatography Consumables Catalog](#)

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Streamlined Workflow Services and Application Support

For laboratories starting or conducting PFAS analysis, our expert field engineers, technical service, and R&D teams are here to support you with fast response times and high first-time fix rates. We will get your lab up and running quickly, ensuring accurate, reliable results that maximize productivity. With tailored, ad-hoc services, your lab will be well-equipped to handle the complexities of PFAS analysis with precision and confidence.

- Expert service
- Specialized training
- Application support
- On-site and remote assistance

Visit our dedicated web pages to discover other areas we can support with and learn more about the types of support services we can offer. Contact us to see what customized services and application support solution can help you address your needs by reaching out to your local PerkinElmer representative or filling a form on our website:

- For more information on instrument preventive maintenance services visit www.perkinelmer.com/instrumentsservices
- For more information on customer training and application support services visit www.perkinelmer.com/training
- For more information on compliance services visit <https://www.perkinelmer.com/product/iq-oq-services-oneioq>



Learn how PerkinElmer can help you make the most of your important lab assets.



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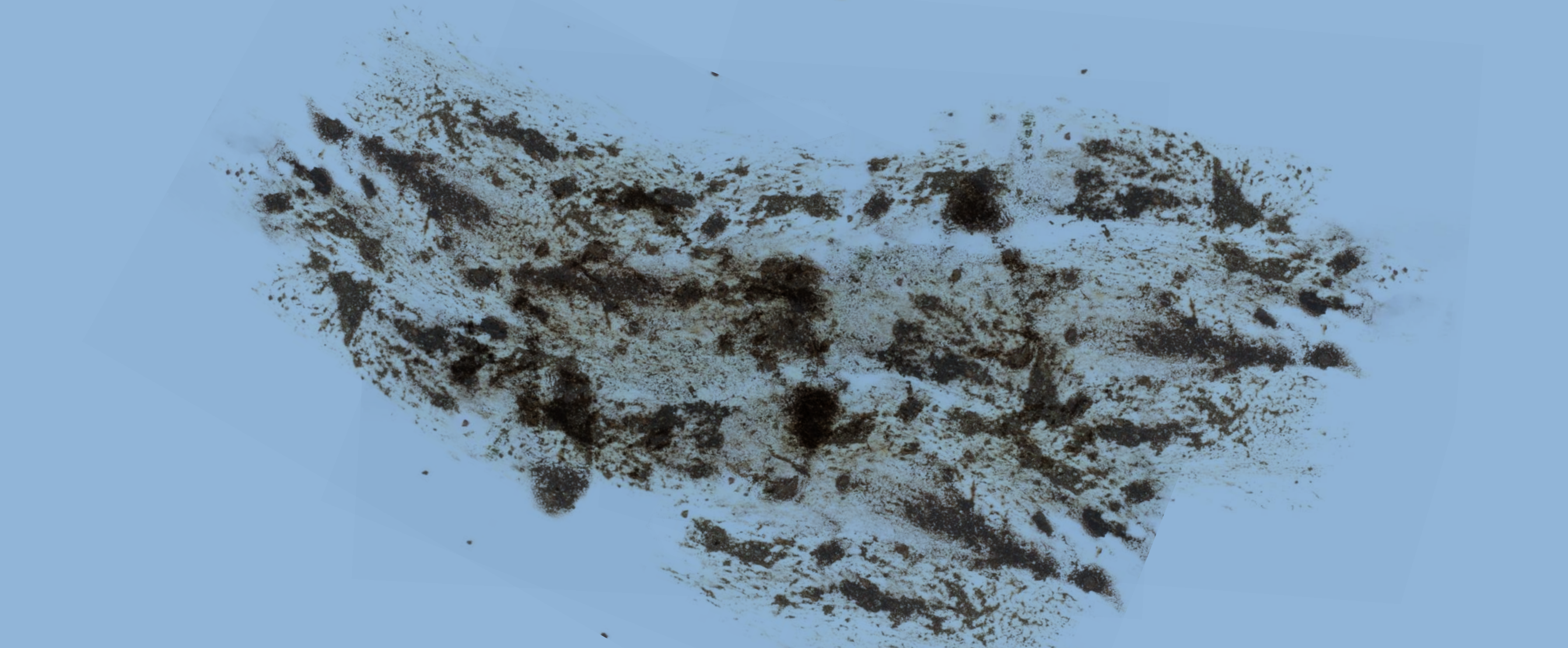
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