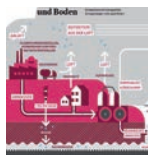# Recent GERSTEL AppNotes

GERSTEL regularly publishes new application work, recent AppNotes are listed below. For a comprehensive overview: https://gerstel.com/en/applications/all. To discuss your needs with our experts, please contact us under: info@gerstel.com

## Food, Flavor, and Fragrance Analysis

### PFAS in Food of Animal Origin using online SPE Cleanup and LC-MS/MS

PFAS perfluorinated compounds are extracted from egg, fish and meat using a QuEChERS-like approach, and determined using automated SPE-HPLC-MS/MS …

### Aroma Analysis of Cooked Ground Beef and Plant-Based Meat using DHS

Aroma analysis is of paramount importance in the plant-based meat industry. The ability to replicate flavors and mimic real meat is a vital ingredient for consumer acceptance …

### VOCs and Sensory Profiles of Beer versus Non-Alcoholic Beer

Non-alcoholic (NA) beers have recently gained market share as consumers look towards healthier drink options. To gain consumer acceptance,…

### Fully Automated Determination of 3-MCPD, 2-MCPD

3-MCPD, 2-MCPD, and Glycidol in Edible Oils and Fats based on ISO 18363-4 (Zwagerman/Overman Method), highly efficient and accurate fully automated analysis …

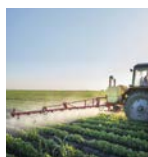## Material Emissions:

### VDA 278 Method Transition to TD 3.5+

Material emissions in automobiles are an important subject for the automotive sector. The VDA 278 method is widely used for the analysis …

## Glucose Metabolism:

### Breath VOC Levels determined using the GERSTEL TD 3.5+

Breath sampling and analysis aid in disease diagnosis and monitoring. Specific compounds in exhaled breath are attributed to …

### In-time TMS Derivatization

GC-MS is widely used in metabolomics studies, but derivatization is required. To achieve good accuracy, all samples must be treated identically. Automation enables perfect timing of all steps …

## Solvent Free Extraction Techniques:

### Comparison of Four Immersion Extraction Techniques that use the GERSTEL Twister® and TF-SPME

The GERSTEL PDMS Twister® and PDMS/HLB TF-SPME devices are compared for their efficacy. The winners are …

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## GERSTEL

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