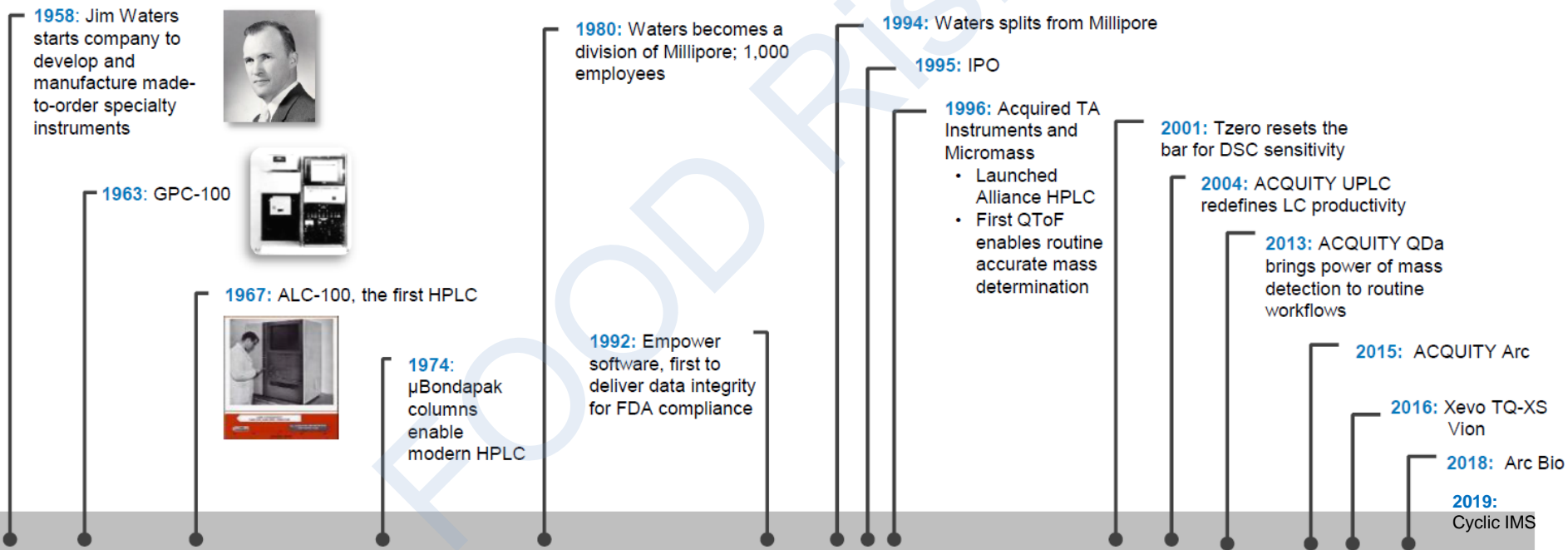




THE WINNING COMBINATION FOR FOOD SECURITY AND CONTAMINANT ANALYSIS

Karima BAUDIN, F&E Business Dev Manager, Waters

Rich History of Focus, Innovation and Growth



Waters Innovates to Address Challenges in Food Industry

Key Food Testing Segments

FOOD SAFETY

Food Contamination

Toxins, residues, adulterants may contaminate feed or food, possibly endangering human health.



FOOD QUALITY

Label Claims & Authenticity

Product quality and consistency. Substituting high-value ingredients with inferior ones is a common occurrence.



FOOD RESEARCH

Discovery & Foodomics

Food science, nutritional impact and health claim benefits to establish competitive advantages in the market place.



Technologies to Detect Trace Chemical Contaminants

CUSTOMER CHALLENGE

- Global regulations dictate testing for chemical residues and contaminants at trace levels in complex matrices.
- Complex matrices, low detection limits, fast turnaround times etc.



Tandem Quadrupole Mass Spectrometry



UPLC/Xevo TQ-XS

APGC, Xevo TQ-GC

SOLUTION

- **Detect** and accurately **quantify** contaminants at low regulatory limits
- Provides **robust sensitivity** even in the most challenging matrices.
- **Data confidence** ensures meeting **global food regulations** successfully.

Food Testing Application Resource Kits

<https://www.waters.com/analyticalfoodies>



Application Solution:

Analyze without the need to derivitize!

Download your resource kit to discover our 2019 performance enhancements in MS detection power and application specific column chemistry for **Anionic Polar Pesticides**

>> Download

<https://www.waters.com/polarondemand>



Application Solution:

Discover our application solutions through our dedicated webinar: "**Determination of Acrylamide in Processed Foods**" and additional resources.

>> Download

<https://www.waters.com/acrylamide>



Application Solution:

Extinguish the challenges related to Perfluorinated Alkyl Substances (PFAS) analysis!

PFAS are going from a **water contamination issue** to a **food safety concern**. Demands for testing are increasing...Download your resource kit today!

>> Download

<https://www.waters.com/pfas>



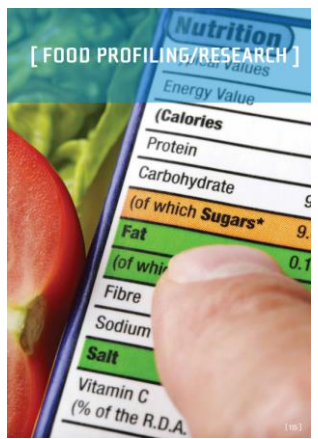
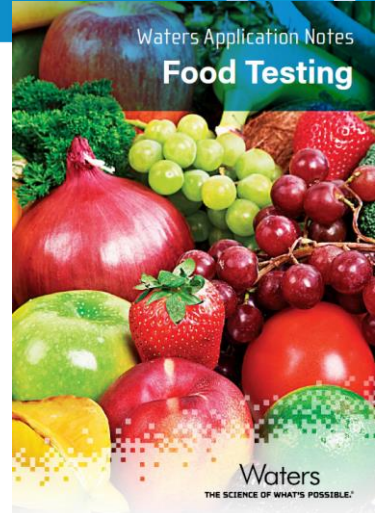
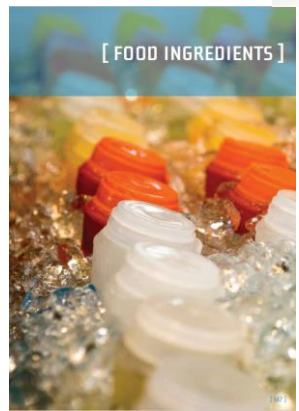
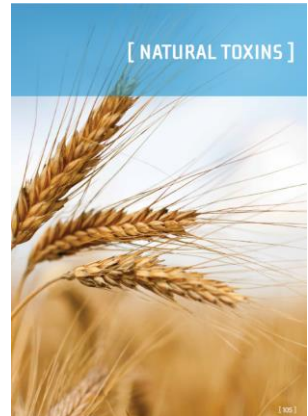
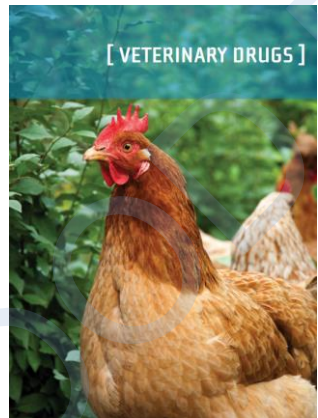
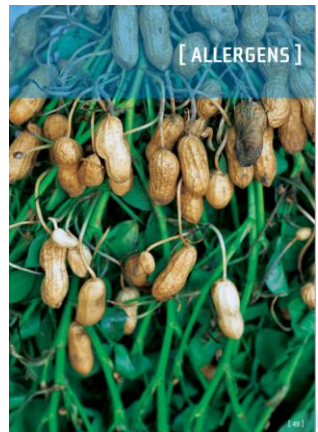
Application Solution:

Get an overview by watching our latest webinar "**Robust Quantification and Confirmation of Dioxins, Furans and DL-PCBs in Food Commodities by GC-MS/MS**" and additional resources.

>> Download

<https://www.waters.com/dioxins>

Food Testing Application Notebook



<https://www.waters.com/FoodTestingApps>



A Winning Combination for Food Testing

ROUTINE QUAN

Focus: Service provision
e.g. Routine pesticide residue testing



New Xevo TQ-GC



Xevo TQ-S micro
-- With ACQUITY UPLC

ULTIMATE QUAN PERFORMANCE

Focus: Most demanding applications
e.g. Dioxins/Furans in food and feed

Xevo TQ-XS

- With APGC
- With ACQUITY UPLC



RESEARCH

Focus: Advancing science
e.g. Emerging contaminants

Xevo G2-XS QToF and Ion mobility enabled QTofs

- With APGC
- With ACQUITY UPLC



- **Informatics**
- **Sample prep**
- **Columns**
- **Consumables**



... For both LC/MS and GC/MS

<http://www.waters.com/analyticalfoodies>

