

Method Category	Analyte	Matrix	Potential Technology	
Agricultural Materials	Multi-mycotoxin	Animal Feed	<i>Various LC options</i>	<i>Krystyna Mclver</i>
Agricultural Materials	Pesticides (multi-analyte)	Animal Feed	<i>?LC/MS/MS?</i>	<i>Krystyna Mclver</i>
Agricultural Materials	Dietary Starch	Animal Feed	<i>?</i>	<i>Krystyna Mclver</i>
Chemical Contaminants/ Residues in Food	Melamine and Cyanuric Acid	Infant Formula	<i>LC/MS/MS</i>	<i>Anita Mishra</i>
Chemical Contaminants/ Residues in Food	Pesticide, Veterinary Drug, and Mycotoxin Residues	Foods, herbs and botanicals	<i>GC/MS & LC/MS/MS</i>	<i>Dawn Frazier</i>
Chemical Contaminants/ Residues in Food	Calcium, copper, iron, potassium, magnesium, manganese, sodium, phosphorus, and zinc.	Food products	<i>Inductively Coupled Plasma-Atomic Emission Spectroscopy</i>	<i>Dawn Frazier</i>
Chemical Contaminants/ Residues in Food	Multi-residue Veterinary Drugs (Multi-residue)	Seafood and Honey	<i>LC/MS/MS</i>	<i>Dawn Frazier</i>
Chemical Contaminants/ Residues in Food	Arsenic (Total and Inorganic)	Rice	<i>IC/ICP/MS</i>	<i>Krystyna Mclver</i>
Chemical Contaminants/ Residues in Food	635 Pesticide Residues (Simultaneous Detection)	Tea	<i>GC/MS and LC/MS/MS</i>	<i>Krystyna Mclver</i>
Mycotoxin Community	Aflatoxin B ₁ , B ₂ , G ₁ , and G ₂	Peanut Oil, Olive Oil, and Sesame Oil	<i>LC</i>	<i>Anita Mishra</i>

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On the horizon...	Chloramphenicol, Nitrofurans, Flouroquinolones, Malachite Green, Genetian Violet, Quinolones, Methyltetosterone	Shrimp, Catfish, Tilapia and Salmon	<i>Various</i>	<i>Anita Mishra</i>
Dietary Supplements	Vitamin D		<i>Various</i>	<i>Dawn Frazier</i>