

## Chemistry Assessment

### Analytical Tracks 1 - 3

Attribute	Value	Points Earned
1. ISO 17025 accredited	10 points	
2. Animal diagnostics laboratory with food and feed analytical capability	15 points	
3. Regulatory Laboratory for: a. Human food b. Animal food	a. 10 points b. 10 points	
4. Ability to analyze human and animal food for: a. Mycotoxins b. Pesticide Residues c. Chemotherapeutics and Veterinary Drugs d. Filth and Decomposition e. Toxic metals f. Food Economic Deception and Authentication g. Colors	5 points each	
5. Ability to analyze human and animal food for: a. Seafood Toxins (PSP saxitoxin) b. ASP (domoic acid) c. DSP (okadaic acid, dinophysistoxins and their derivatives) d. NSP (brevetoxins) e. AZP (azaspiracids) f. CFP (ciguatoxin) g. TTX (tetrodotoxin)	5 points each	
6. Ability to analyze human and animal food using FERN Food Defense Methods: a. LC/MS/MS b. GC/MS c. ICP-MS d. Head-space GC/MS e. Ion Chromatography	10 points each	

<p>7. Number of analysts with 3 or more years of experience with LC/MS/MS</p> <ul style="list-style-type: none"> <li>a. 1 analyst</li> <li>b. 2 analysts</li> <li>c. 3 or more analysts</li> </ul>	<ul style="list-style-type: none"> <li>a. 5 points</li> <li>b. 10 points</li> <li>c. 15 points</li> </ul>	
<p>8. Number of analysts with 3 or more years of experience with GC/MS</p> <ul style="list-style-type: none"> <li>a. 1 analyst</li> <li>b. 2 analysts</li> <li>c. 3 or more analysts</li> </ul>	<ul style="list-style-type: none"> <li>a. 5 points</li> <li>b. 10 points</li> <li>c. 15 points</li> </ul>	
<p>9. Number of analysts with 3 or more years of experience with GC/MS/MS</p> <ul style="list-style-type: none"> <li>a. 1 analyst</li> <li>b. 2 analysts</li> <li>c. 3 or more analysts</li> </ul>	<ul style="list-style-type: none"> <li>a. 5 points</li> <li>b. 10 points</li> <li>c. 15 points</li> </ul>	
<p>10. Number of analysts with 3 or more years of experience with GC/HRMS or LC/HMS</p> <ul style="list-style-type: none"> <li>a. 1 analyst</li> <li>b. 2 analysts</li> <li>c. 3 or more analysts</li> </ul>	<ul style="list-style-type: none"> <li>a. 5 points</li> <li>b. 10 points</li> <li>c. 15 points</li> </ul>	
<p>11. Number of analysts with 3 or more years of experience with ICP/MS</p> <ul style="list-style-type: none"> <li>a. 1 analyst</li> <li>b. 2 analysts</li> <li>c. 3 or more analysts</li> </ul>	<ul style="list-style-type: none"> <li>a. 5 points</li> <li>b. 10 points</li> <li>c. 15 points</li> </ul>	
<p>12. Number of analysts with 3 or more years of experience with HPLC, UHPLC or Small Bore/Ultra High Pressure Liquid Chromtography applications</p> <ul style="list-style-type: none"> <li>a. 1 analyst</li> <li>b. 2 analysts</li> <li>c. 3 or more analysts</li> </ul>	<ul style="list-style-type: none"> <li>a. 5 points</li> <li>b. 10 points</li> <li>c. 15 points</li> </ul>	
<p>13. Number of FERN proficiency test events completed</p> <ul style="list-style-type: none"> <li>a. 3 – 5 PTs</li> <li>b. 6 – 10 PTs</li> </ul>	<ul style="list-style-type: none"> <li>a. 5 points</li> <li>b. 10 points</li> </ul>	

<ul style="list-style-type: none"> <li>c. 11 – 15 PTs</li> <li>d. More than 15 PTs</li> </ul>	<ul style="list-style-type: none"> <li>c. 15 points</li> <li>d. 20 points</li> </ul>	
<p>14. Equipment available for use to support this project</p> <ul style="list-style-type: none"> <li>a. LC/Triple Quad</li> <li>b. LC/Ion Traps</li> <li>c. LC/HRMS</li> <li>d. GC/MS</li> <li>e. GC/Triple Quad</li> <li>f. GC/HRMS</li> <li>g. ICP-MS</li> <li>h. HPLC/ICP-MS</li> <li>i. GC-Head Space/MS</li> <li>j. Ion Chromatography</li> </ul>	<p>5 points each</p>	
<p>15. Samples tested using FDA compliance programs, methods, analytical worksheets and FDA methods</p> <ul style="list-style-type: none"> <li>a. Less than 25 samples</li> <li>b. 25 – 75 samples</li> <li>c. More than 75 samples</li> </ul>	<ul style="list-style-type: none"> <li>a. 10 points</li> <li>b. 15 points</li> <li>c. 20 points</li> </ul>	
<p>Total Possible Points: 345</p>		