Aflatoxins on Kinetex 2.6µm C18 50 x 2.1mm ID with Acquity UPLC MS/MS

Column: Kinetex® 2.6 µm C18 100 Å, LC Column 50 x 2.1 mm, Ea
Dimensions: 50 x 2.1 mm ID
Order No: 008-4462-AN
Elution Type: Gradient
Eluent A: 0.1% Formic acid and 1mM NH4 formate in H2O
Eluent B: 60/40 MeOH/ACN with 0.1% formic and 1mM NH4 formate

Gradient

<table>
<thead>
<tr>
<th>Step No.</th>
<th>Time (min)</th>
<th>Pct A</th>
<th>Pct B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>63</td>
<td>37</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>40</td>
<td>60</td>
</tr>
<tr>
<td>3</td>
<td>1.01</td>
<td>5</td>
<td>95</td>
</tr>
<tr>
<td>4</td>
<td>1.5</td>
<td>5</td>
<td>95</td>
</tr>
<tr>
<td>5</td>
<td>1.51</td>
<td>63</td>
<td>37</td>
</tr>
<tr>
<td>6</td>
<td>2.5</td>
<td>63</td>
<td>37</td>
</tr>
</tbody>
</table>

Flow Rate: 600 µL/min
Col. Temp.: 25 °C
Detection: Mass Spectrometer (MS) @ amu (110 °C)
Detector Info: ESI+, MRM mode,
Aflatoxin M1 - 329.3-273.2 (internal standard)
Aflatoxin G2 - 331.3-313.2, Aflatoxin G1 - 329.2-234.3, Aflatoxin B2 - 315.3-287.3, Aflatoxin B1 - 313.2-285.3

Analyst Note: SecurityGuard™ ULTRA Guard Cartridge System extends column lifetime.
- SecurityGuard ULTRA Cartridges, UHPLC C18 for 2.1mm ID Columns, 3/Pk Part No.: AJ0-8782
- Holder Part No.: A30-9000

ANALYTES:

1. Aflatoxin M1 (internal standard)
   Retention Time: 0.62 min
2. Aflatoxin G2
   Retention Time: 0.66 min
3. Aflatoxin G1
   Retention Time: 0.74 min
4. Aflatoxin B2
   Retention Time: 0.78 min
5. Aflatoxin B1
   Retention Time: 0.87 min