## **HPLC Application** ID No.: **22711**



#### Mycotoxins extracted from corn using roQ by LC/MS/MS (Positive mode)

Kinetex® 2.6 µm XB-C18 100 Å, LC Column 50 x 2.1 mm, Ea

**Dimensions:** 50 x 2.1 mm ID Order No: 00B-4496-AN Elution Type: Gradient

Eluent A: 5 mM ammonium acetate w/ 0.5% acetic acid

Eluent B: 5 mM ammonium acetate in methanol w/ 0.5% acetic acid

Gradient	Step No.	Time (min)	Pct A	Pct B
Profile:	1	0	95	5
	2	2	95	5
	3	5	20	80
	4	5.2	2	98
	5	8	2	98

Flow Rate: 0.45 mL/min Col. Temp.: ambient

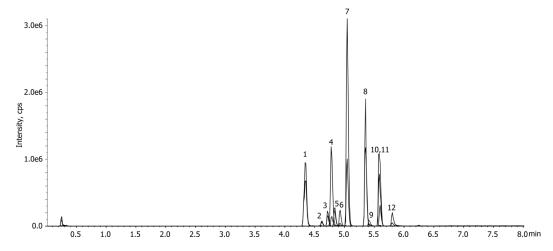
**Detection:** Tandem Mass Spec (MS-MS) @ (ambient)

**Detector Info:** API 5000 roQ extraction: Analyst Note:

1) 5 g of corn is extracted using KS0-8909 with 10 mL of water and 10 mL of ACN with 1.0 % formic acid.

2. KSO-8924 is used for dSPE clean up.

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Products used in this application:



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#### **ANALYTES:**

- 15-Acetyldeoxynivalenol
- 2 Aflatoxin G2
- 3 Aflatoxin G1
- 4 Unknown Interference
- 5 Aflatoxin B2
- 6 Aflatoxin B1
- 7 Diacetoxyscirpenol
- 8 HT2-Toxin
- 9 Fuminosin B1
- **10** T2-Toxin
- 11 Ochratoxin A
- 12 Fuminosin B2