HPLC Application

ID No.: 22712



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

Column: 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	

Kinetex*
Ultra-High Performance on Any LC System

Products used in this application:



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

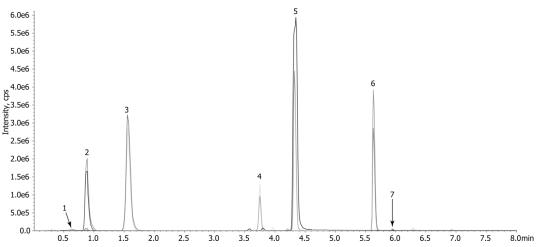
Detection: Electrospray Mass Spec (ESMS) @ 0.0000000000 (ambient)

Analyst Note: roQ extraction:

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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ANALYTES:

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1 Patulin

Retention Time: 0.65 min

2 Nivalenol

Retention Time: 0.88 min
Deoxynivalenol

Retention Time: 1.57 min

4 Fusarenon-X

Retention Time: 3.76 min

5 3-Acetyldeoxynivalenol

Retention Time: 4.34 min

6 Zearalenone

Retention Time: 5.64 min

7 Verruculogen

Retention Time: 5.96 min

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