

## Humic Acids using Kinetex C8 50x2.1 mm on ABI LC-MS 4000

**Column:** Kinetex® 2.6 µm C8 100 Å, LC Column 50 x 2.1 mm, Ea

**Dimensions:** 50 x 2.1 mm ID

**Order No:** 00B-4497-AN

**Elution Type:** Gradient

**Eluent A:** 5mM Ammonium Acetate

**Eluent B:** Methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	85	15
	2	2	5	95
	3	6	5	95
	4	6.01	85	15

**Flow Rate:** 0.4 mL/min

**Col. Temp.:** ambient

**Detection:** Mass Spectrometer (MS) @ 580.4 amu (ambient)

**Detector Info:** <a target="\_blank"

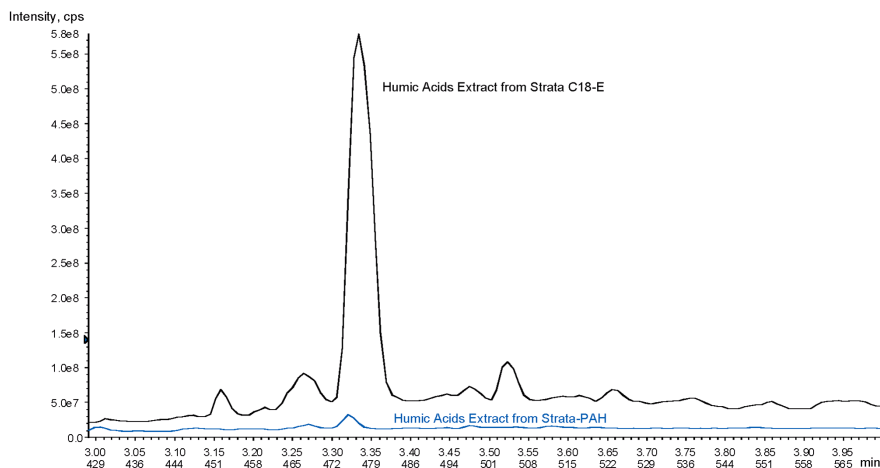
**Analyst Note:** href="https://sciex.com/products/mass-spectrometers?utm\_campaign=2019%20application%20search&utm\_source=phenomenex&utm\_medium=referral">SCIEX<br/>SecurityGuard™ ULTRA Guard Cartridge System extends column lifetime.

- SecurityGuard ULTRA Cartridges, UHPLC C8 for 2.1mm ID Columns, 3/Pk Part No.: AJ0-8784

- Holder Part No.: AJ0-9000



Products used in this application:



### ANALYTES:

- 1 Humic acids (from Suwannee River)

Retention Time: 3.33 min



# Sample Preparation Details

for UHPLC Application ID No.: 19662

## Humic Acids using Kinetex C8 50x2.1 mm on ABI LC-MS 4000

### PRODUCT DESCRIPTION:

Strata® PAH, 1.5 g / 6 mL, Tubes , 30/Pk

Order No.: 8B-S130-7CH

### SOLID PHASE EXTRACTION (SPE) PROCEDURE:

**Note:** The solvent volumes shown below are for a 1.5 g bed mass.

The solvent volumes will need to be adjusted for a smaller or larger bed mass.

#### Condition:

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#### Load:

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#### Wash:

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#### Dry:

15 seconds

#### Elute:

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#### Final Prep and Analysis:

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Inject: 5 µL on HPLC Mass Spectrometer (MS) @ 580.4 amu (ambient)

ANALYTES:	Spiked Conc. (ng/mL)	Log P	pKa	% Rec	%RSC (n=0)
1 Humic acids	0				

**Note:** This method is designed as a convenient starting point for further investigation and can be tailored to meet your extraction goals.  
Call your local Phenomenex Representative for assistance in method development and optimization techniques.

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For more information contact your Phenomenex Representative at [info@phenomenex.com](mailto:info@phenomenex.com)



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