

Malachite Green and Related Triphenylmethane Dyes in Aquaculture Samples by LC/MS/MS

Column: Synergi™ 4 µm Max-RP 80 Å, LC Column 50 x 2 mm, Ea

Dimensions: 50 x 2 mm ID

Order No: 00B-4337-B0

Elution Type: Gradient

Eluent A: 10mM Ammonium Acetate 0.1% formic acid

Eluent B: Acetonitrile/Water (90:10) with 10mM Ammonium acetate and 0.1% Formic acid

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	70	30
	2	8	10	90
	3	14	10	90
	4	15	70	30



Flow Rate: 0.4 mL/min

Col. Temp.: 30 °C

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

Detector Info: <a target="_blank"

Analyst Note:

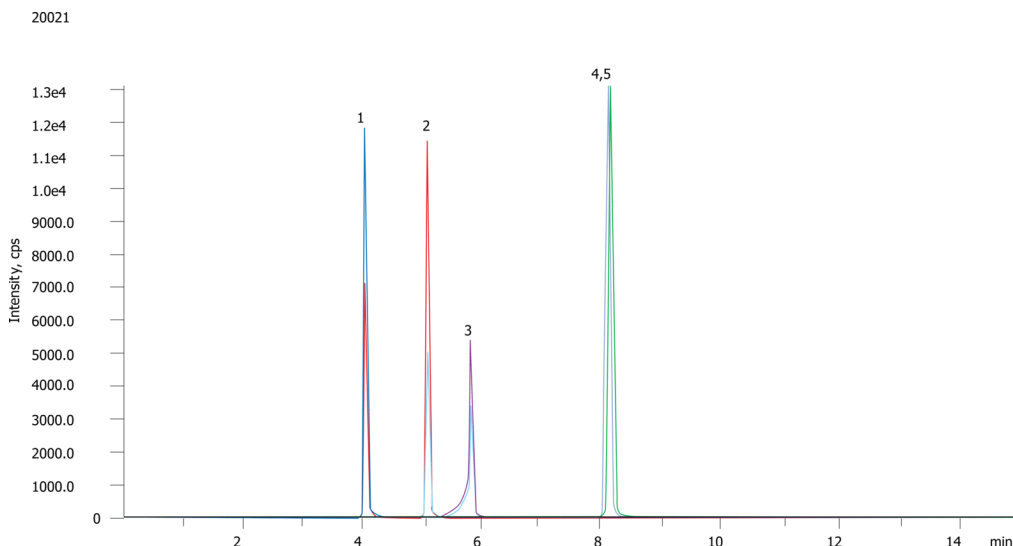
href="https://sciex.com/products/mass-spectrometers?utm_campaign=2019%20application%20search&utm_source=phenomenex&utm_medium=referral">SCIEX<

This separation uses IMethod Kit Part Number KH0-8986

SecurityGuard™ Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, C12 4 x 2.0mm ID, 10/Pk Part No.: AJ0-6073

- Holder Part No.: KJ0-4282



ANALYTES:

- 1 Malachite Green**
Retention Time: 4.1 min
- 2 Crystal Violet**
Retention Time: 5.1 min
- 3 Brilliant Green**
Retention Time: 5.8 min
- 4 Leucomalachite Green-d5**
Retention Time: 8.1 min
- 5 Leucomalachite Green**
Retention Time: 8.2 min

