

## CoreFocus

### Report

No.531

LC

Reversed-phase

Shim-pack™ Series

### Shim-pack Scepter™ Phenyl-120

## Analysis of Diarrhetic Shellfish Toxines

**Keywords:** Food poisoning, Scallop



HPLC	
Column	: Shim-pack Scepter C18 (100 mm x 2.0 mm I.D., 1.9 $\mu$ m), P/N : 227-31011-05
Mobile phase A	: 2 mmol/L ammonium formate water with 50 mmol/L formic acid
Mobile phase B	: Acetonitrile / Water : 95 / 5 (v/v) including 2 mmol/L ammonium formate with 50 mmol/L formic acid
Time program	: 40% B (0-2.5 min) → 100% B (7.5-12.5 min) → 40% B (12.51 – 17.5 min) (Using the front cut valve, introduced into the MS only for 6 - 10 min)
Flow rate	: 0.2 mL/min
Column temp.	: 50 °C
Injection volume	: 5 $\mu$ L

MS	
Interface	: Electrospray (ESI)
Neb. Gas	: 3 L/min
Drying gas	: 5 L/min
Heating gas	: 15 L/min
DL temperature	: 150 °C
BH temperature	: 450 °C
IF temperature	: 350 °C
CID	: 325 kPa
Probe Voltage	: -3.0 kV

Source : Application News C200 ([JP](#) [EN](#))

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