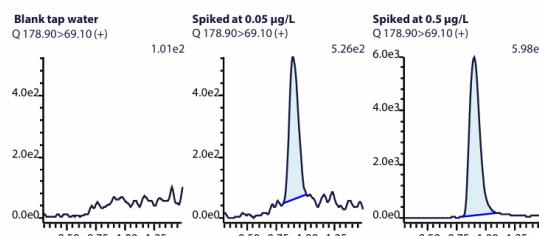
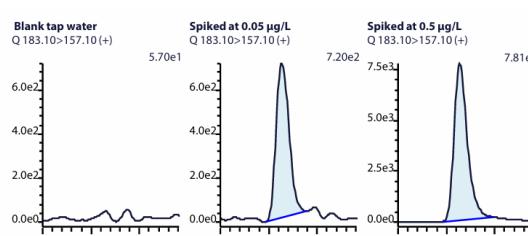
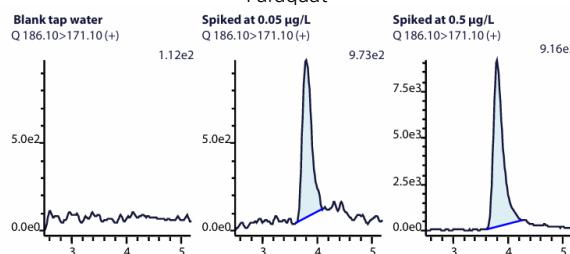


CoreFocus
Report
No.570

LC-MS HILIC Shim-pack™ Series

Shim-pack Velox™ HILIC
Analysis of Iminoctadine, Diquat and Paraquat in Tap Water
Keywords: water quality, herbicide

Iminoctadine

Diquat

Paraquat

[HPLC conditions] (Nexera™ X3)

Column	: Shim-pack Velox HILIC, 100 mm x 2.1 mm I.D., 2.7 μ m*1
Mobile phases	: A) 150 mmol/L Ammonium formate buffer (pH 3.6) B) Acetonitrile Isocratic, B conc. 50 %
Flow rate	: 0.40 mL/min
Column oven	: 30 °C
Injection vol.	: 5 μ L

1*: P/N : 227-32025-03

[MS conditions] (LCMS-8050)

Ionization	: ESI (Positive mode)
Probe voltage	: +0.5 kV
Mode	: MRM
Nebulizing gas flow	: 3.0 L/min
Heating gas flow	: 15.0 L/min
Drying gas flow	: 5.0 L/min
DL Temp.	: 300 °C
Heat Block Temp.	: 500 °C
Interface Temp.	: 400 °C
MRM transition	: Iminoctadine 178.90>69.10 Diquat 183.10>157.10 Paraquat 186.10>171.10

 Source : Application News 01-00254 ([JP](#), [ENG](#))

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