

CLICK ON THE UNDERLINED BLUE TEXT FOR DETAILS ON THE PRODUCTS USED IN THIS APPLICATION

## EXTRACTION PROCEDURE

1. Add 15 mL 1% acetic acid in acetonitrile into the 50 mL DisQuE™ extraction tube.
2. Add 15 g of homogenized sample into the 50 mL tube.
3. Add any internal standards and standard mixture.
4. Shake vigorously for 1 minute and centrifuge > 1500 rcf for 5 minute.
5. Transfer 1 mL of the acetonitrile extract into the 2 mL clean-up tube containing 50 mg PSA, 150 mg MgSO<sub>4</sub>, and 50 mg C<sub>18</sub>.
6. Shake for 30 seconds and centrifuge >1500 rcf for 1 minute.
7. Transfer 100 µL of final extract into a 1.5 mL centrifuge tube.
8. Add any post-extraction internal standards.
9. Dilute as needed with an appropriate buffer or solvent.
10. Centrifuge > 16000 rcf for 5 minutes.
11. Transfer to autosampler vial.

## ORDERING INFORMATION

Description	Part Number
DisQuE 50 mL Tube-AOAC/Acetate	<a href="#">186004571</a>
DisQuE 2 mL Tube-AOAC/C <sub>18</sub>	<a href="#">186004830</a>
ACQUITY UPLC BEH C <sub>18</sub> , 2.1 x 100 mm, 1.7 µm	<a href="#">186002352</a>
LCMS Certified Vials	<a href="#">600000749CV</a>

## TEST CONDITIONS

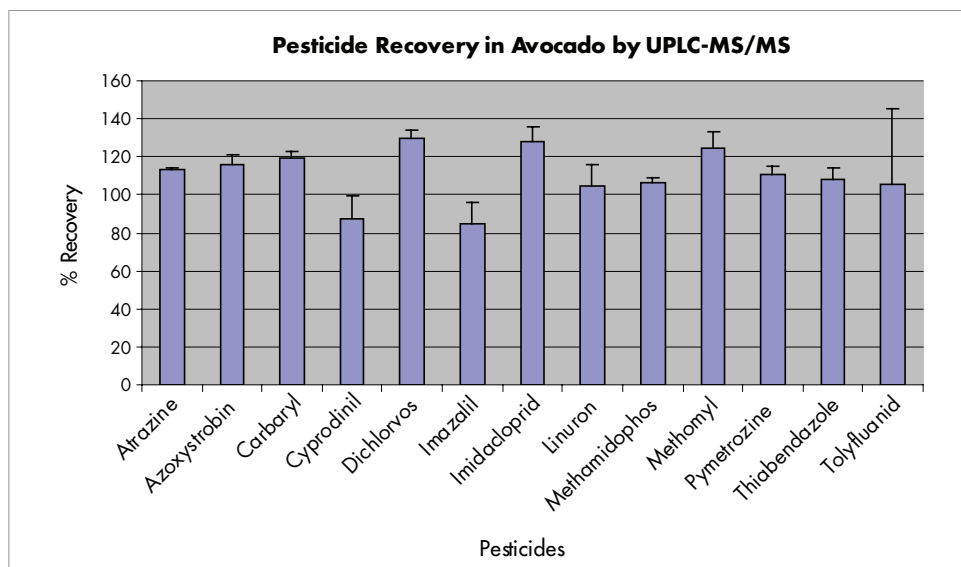
### LC Conditions

LC System:	Waters ACQUITY UPLC® System			
Column:	ACQUITY UPLC BEH C <sub>18</sub> , 2.1 x 100 mm, 1.7 µm			
Column Temp:	40 °C			
Sample Temp:	4 °C			
Flow Rate:	0.3 mL/min.			
Mobile Phase A:	Water + 0.1% formic acid			
Mobile Phase B:	Methanol + 0.1% formic acid			
Gradient:	Time	Flow Rate	A%	B%
	0.00	0.3	75	25
	0.25	0.3	75	25
	7.75	0.3	5	100
	8.50	0.3	0	100
	8.51	0.5	75	25
	10.50	0.5	75	25
	11.0	0.3	75	25

Injection Volume: 15 µL, Partial loop injection

### MS Conditions

Instrument:	Waters ACQUITY® TQ Detector
Ionization:	Positive electrospray (ESI <sup>+</sup> )
Acquisition:	Multiple reaction monitoring (MRM)



Pesticides in Avocados by UPLC-MS/MS

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