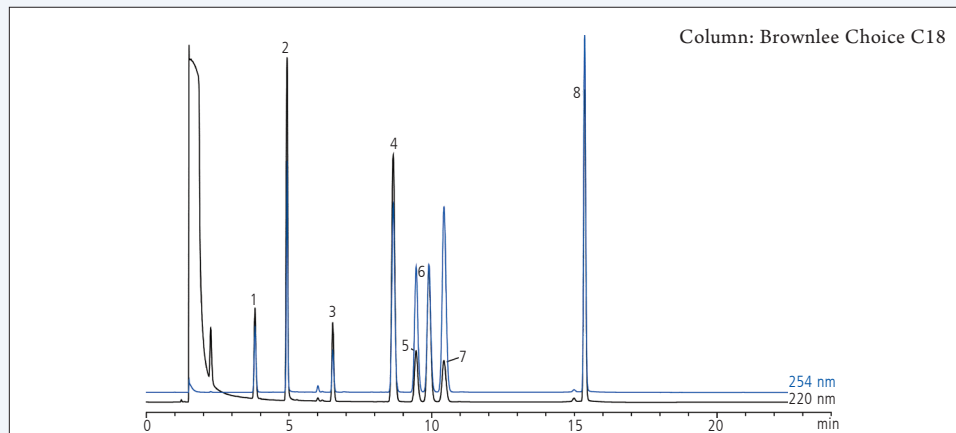




# HERBICIDES HPLC

## Environmental: Herbicides (Uron) on Brownlee Choice C18



### Peak List

Peak List	Retention Time (min)
1. methomyl	3.80
2. carbendazim	4.93
3. aldicarb	6.53
4. chlortoluron	8.65
5. isoproturon	9.45
6. diuron	9.90
7. monolinuron	10.43
8. linuron	15.36

### Retention Time (min)

### Conditions

Mobile phase: A: 20 mM potassium phosphate, pH 7.0  
B: acetonitrile

Time (min)	%B
0.0	20
3.0	45
12.0	45
13.0	80
14.0	20
24.0	20

Flow: 1.0 mL/min  
Temperature: 25 °C  
Detector: UV @ 220 nm and 254 nm

### Column

Column name: Brownlee Choice C18  
Part number: N9303628  
Dimensions: 150 x 4.6 mm  
Particle size: 5 µm  
Pore size: 60Å

### Sample

Injection volume: 5 µL  
Concentration: 500 µg/mL each  
Solvent: N,N-dimethylacetamide:acetonitrile (28:72 v/v)

### Notes

Recommended Guard Cartridge N9303669  
Recommended Guard Holder N9303713

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