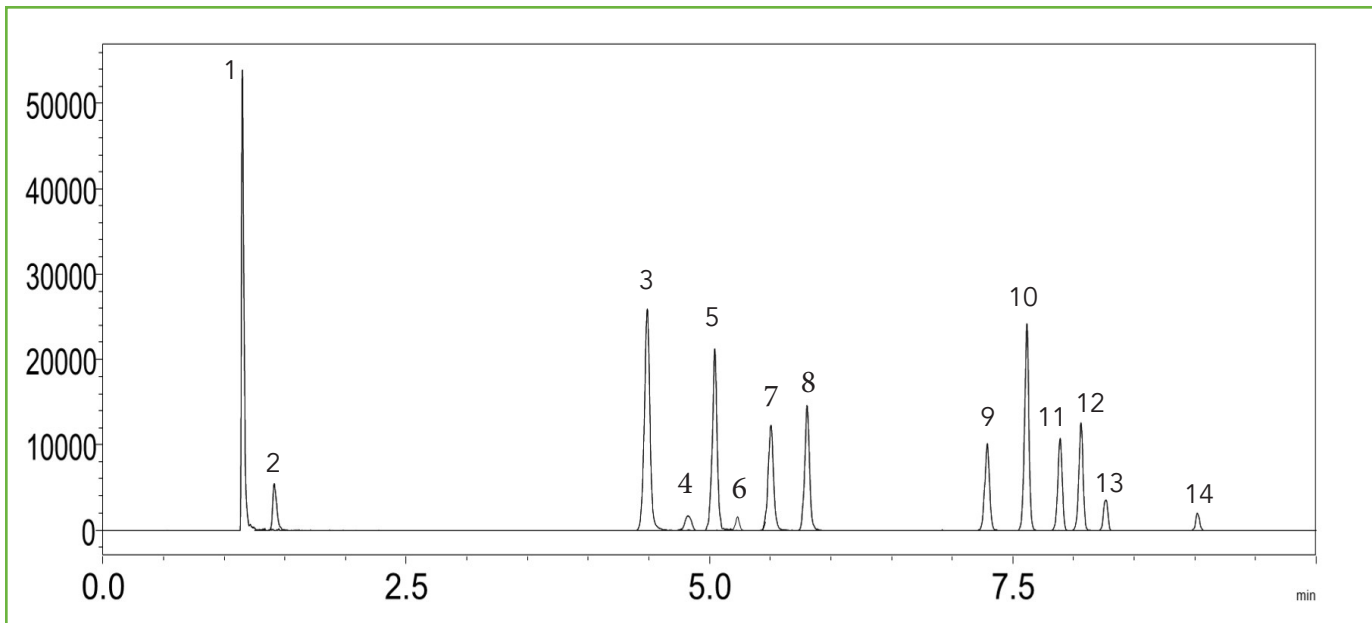




Pesticide Screening of Barley: HALO 90 Å LPH-C18

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TEST CONDITIONS:

Column: HALO 90 Å LPH-C18 2 µm, 2.1 x 100 mm

Part Number: 91822-616

Mobile Phase A: Water, 0.1% Formic Acid

Mobile Phase B: Acetonitrile, 0.1% Formic Acid

Gradient:	Time	%B
	0.0	30
	1.0	30
	12.0	100
	16.0	100

Flow Rate: 0.2 mL/min

Pressure: 235 bar

Temperature: 30 °C

Detection: +ESI MS/MS

Injection Volume: 2 µL

Sample Solvent: Methanol

MS System: Shimadzu 8040

LC System: Shimadzu Nexera X2

MS CONDITIONS:

Nebulizer Gas Flow: 3 L/min

DL Temperature: 250 °C

Heat Block Temperature: 400 °C

Drying Gas Flow: 18 L/min

Pesticide screening methods can help show whether there is a concern with your soil, crops, and even water supply. A pesticide screening is performed on a sample of barley using a HALO 90 Å LPH-C18 column. This column is ideal for low pH testing conditions based on its sterically protected ligand which helps reduce acid hydrolysis of the stationary phase leading to an increase in column lifetime.





Peak #	Compound	Transition	CE
1	Carbendazim	192>160.1	-21
2	Dicrotophos	238>112	-22
3	Azamethiphos	324.9>183	-17
4	Pyrimethanil	200.10>107.2	-25
5	Carbofuran	222>123	-22
6	Dodemorph	282.2>116.1	-25
7	Atrazine	216.03>174.1	-17
8	Diuron	232.94>72	-17
9	Iprovalicarb	321.1>119	-30
10	Azoxystrobin	404.04>372.1	-14
11	Fluopram	396.98>208	-25
12	Methoxyfenozide	369.1>149.1	-25
13	Flutolanil	324>242.1	-28
14	Picoxystrobin	368>145.1	-25

