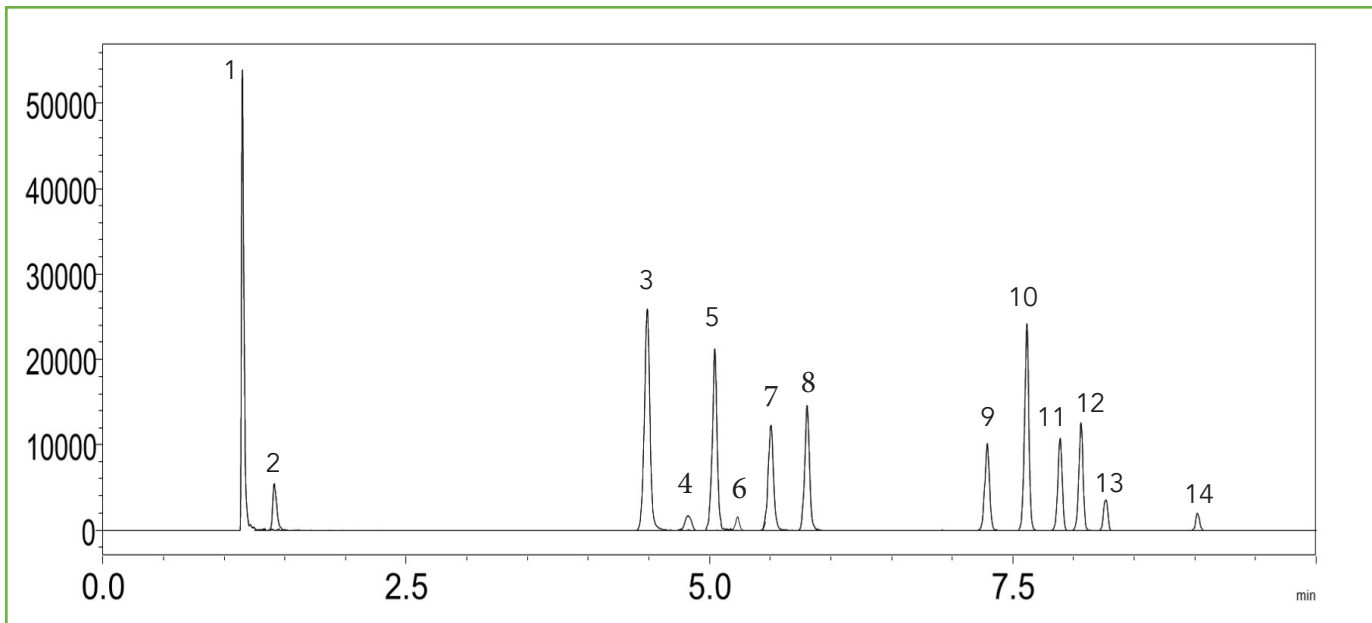




### Pesticide Screening of Barley: HALO 90 Å LPH-C18

297



#### 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:

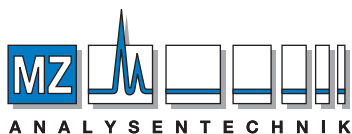
**Nebulizer Gas Flow:** 3 L/min

**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.



#### AUTHORIZED DISTRIBUTOR

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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

