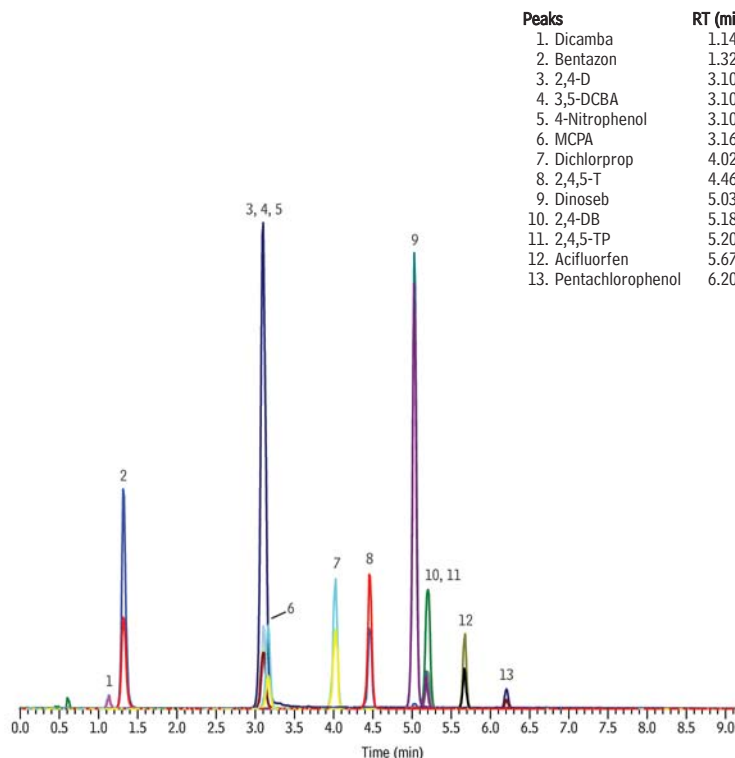


Phenoxyacid Herbicides on Ultra II® Aqueous C18 (LC/MS/MS)



LC_EV0511

Peaks	RT (min.)	MRM 1	MRM 2
1. Dicamba	1.14	219.0 → 175.0	221.0 → 177.0
2. Bentazon	1.32	239.0 → 132.0	239.0 → 175.0
3. 2,4-D	3.10	218.9 → 161.0	220.9 → 163.0
4. 3,5-DCBA	3.10	189.0 → 144.8	189.0 → 59.0
5. 4-Nitrophenol	3.10	138.1 → 108.1	138.1 → 46.0
6. MCPA	3.16	199.0 → 141.0	201.0 → 143.0
7. Dichlorprop	4.02	233.0 → 161.0	235.0 → 163.0
8. 2,4,5-T	4.46	252.9 → 194.9	254.9 → 196.9
9. Dinoseb	5.03	239.0 → 133.9	239.0 → 193.8
10. 2,4-DB	5.18	247.0 → 161.0	249.0 → 163.0
11. 2,4,5-TP	5.20	266.9 → 195.0	266.9 → 159.0
12. Acifluorfen	5.67	359.9 → 316.1	359.9 → 195.0
13. Pentachlorophenol	6.20	264.8 → 35.0	264.8 → 37.0

Column Ultra II® Aqueous C18 (cat.# 9608312)
 Dimensions: 100 mm x 2.1 mm ID
 Particle Size: 3 µm
 Pore Size: 100 Å
 Temp.: 35 °C

Sample phenoxyacid herbicides
 Diluent: acetonitrile
 Conc.: 100 ppb
 Inj. Vol.: 10 µL

Mobile Phase
 A: 10mM ammonium acetate in water
 B: 10mM ammonium acetate in methanol

Time (min.)	%A	%B
0	80	20
8	10	90
12	0	100
14.8	0	100
15	80	20

Flow: 0.5 mL/min.
Detector Applied Biosystems/MDS Sciex LC/MS/MS
 Model #: 4000 QTRAP™ LC/MS/MS System
 Ion Source: Electrospray
 Ion Mode: ESI-
 Ion Spray Voltage: -4.2 kV
 ESI Voltage: -4.2 V
 Gas 1: 50 psi (344.7 kPa)
 Gas 2: 60 psi (413.7 kPa)
 Source Temp.: 600 °C
 Mode: MRM
Instrument Applied Biosystems/MDS Sciex LC/MS/MS System
Acknowledgement Work performed at Applied Biosystems

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