## HPLC Application ID No.: 25270

## Dicamba and Acidic Herbicides LC-MS/MS in Agricultural Field Samples

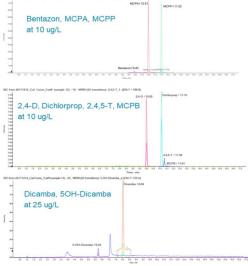
			/	<b>j</b>			
Column:	Kinetex® F5 2.6µm 100 Å, LC Column 100 x 3.0 mm, Ea						
Dimensions:	100 x 3 mm	ID					
Order No:	00D-4723-Y	0	Kinetex* Ultra-High Performance				
Elution Type:	Gradient		on Any LC System				
Eluent A:	water						
Eluent B:	0.2% formic acid in methanol						
Gradient	Step No.	Time (min)	Pct A	Pct B			
Profile:	1	0	98	2			
	2	1	60	40	Products and in this and institution		
	3	4	48	52	Products used in this application:		
	4	12	15	85			
	5	13.5	10	90	( KINETEX.		
	6	15.5	10	90			
	7	15.6	98	2			
Flow Rate:	0.5 mL/min						
Col. Temp.:	30 °C						
- · · ·							



phenomenex

	/	15.6
Flow Rate:	0.5 mL/min	
Col. Temp.:	30 °C	
Detection:	LC/MS/MS @	(ambient)
Analyst Note:	5 g of soil sample of	or sovbean folia

liage were collected from impacted and non-impacted agricultural field sites. Internal standard was added to the cample pre-extraction C. bemacenized and extracted with formic acid fortified acetonitrile. Sample was shaken for 15 minutes then



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41 Dichlorprop\_3

42 Dichlorprop\_4

43 MCPA\_1

44 MCPA\_2

45 MCPA\_3

46 MCPB\_1

47 MCPB\_2

48 MCPP\_149 MCPP\_2

50 MCPP\_3

## **ANALYTES:**

- **1** 13C6-DCSA
- **2** 2,4,5-T\_1
- **3** 2,4,5-T\_2
- **4** 2,4,5-T\_3
- **5** 2,4,5-TP\_1
- **6** 2,4,5-TP\_2
- **7** 2,4-D\_1
- **8** 2,4-D\_2
- **9** 2,4-D\_3
- **10** 2,4-D\_4
- **11** 2,4-DB\_1
- **12** 2,4-DB\_2
- **13** 2,4-DB\_3
- **14** 2,4-DB\_4
- **15** 5-OH-Dicamba\_1
- 16 5-OH-Dicamba\_2
- 17 5-OH-Dicamba\_3
- 18 5-OH-Dicamba\_4
- 19 Acifluorfen\_1
- 20 Acifluorfen\_2
- 21 Acifluorfen\_3
- 22 Acifluorfen\_4
- 23 Bentazon\_1
- 24 Bentazon\_3
- 25 Bentazon\_4
- 26 d3-Dicamba\_1
- **27** d3-Dicamba\_2
- 28 DCGA\_1
- 29 DCGA\_2
- **30** DCGA\_3
- **31** DCGA\_4
- 32 DCSA\_1
- 33 DCSA\_2
- 34 DCSA\_3
- 35 DCSA\_4
- 36 Dicamba\_1
- 37 Dicamba\_2
- 38 Dicamba\_3
- **39** Dichlorprop\_1
- **40** Dichlorprop\_2

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