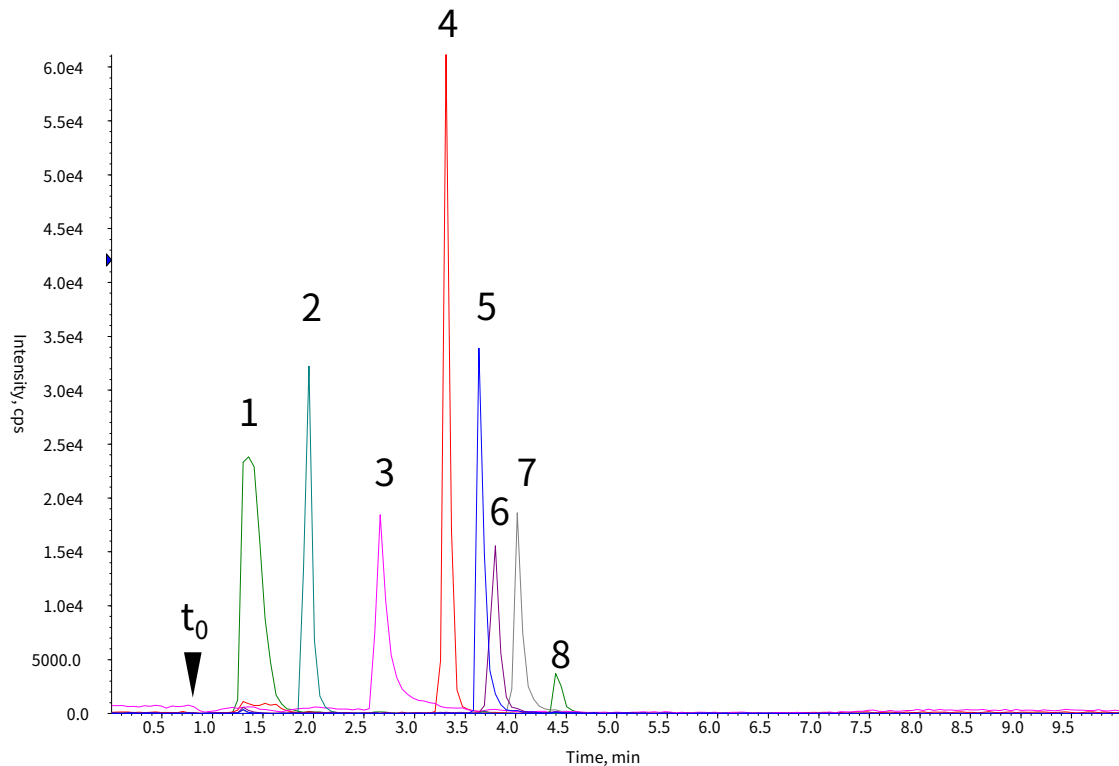


Analysis of Underivatized Glyphosate, Glufosinate and Other Polar Pesticides

Data No. LB711-0696



Conditions

System : Nexera XR UHPLC system (Shimadzu)
4000 QTRAP (Sciex)
Column : InertSustain AX-C18 (GL Sciences Inc.)
(3 μm, 150 x 2.1 mm I.D., Metal-free hardware)
Column Cat. No. : 5020-91059
Eluent : A) 100 mM CH₃COONH₄ in (CH₃CN/H₂O=50/50, v/v)
B) 0.5 % HCOOH in H₂O

Time (min)	A%	B%
0.0	2	98
0.5	2	98
3.0	50	50
5.0	50	50
5.1	2	98
9.0	2	98

No.	Analyte	Q1	Q3	Conc. (μg/L)
1	(Aminomethyl) phosphonic acid (AMPA)	109.9	64.5	100
2	Glufosinate	179.7	94.9	100
3	Glyphosate	167.8	149.5	100
4	3-(Methylphosphinico) propionic acid (MPPA)	150.8	132.6	100
5	N-Acetyl Glufosinate	221.9	135.8	100
6	N-Acetyl Glyphosate	209.9	149.9	100
7	Ethephon	144.9	106.7	100
8	Fosetyl	108.9	64.5	500

Flow rate : 0.3 mL/min
Col. Temp. : 50 °C
Detection : LC/MS/MS
(4000 QTRAP : ESI, Negative, SRM)
CUR CAD IS TEM GS1 GS2
25 12 -4500 600 80 80

Injection Vol. : 50 μL
Sample : Standard