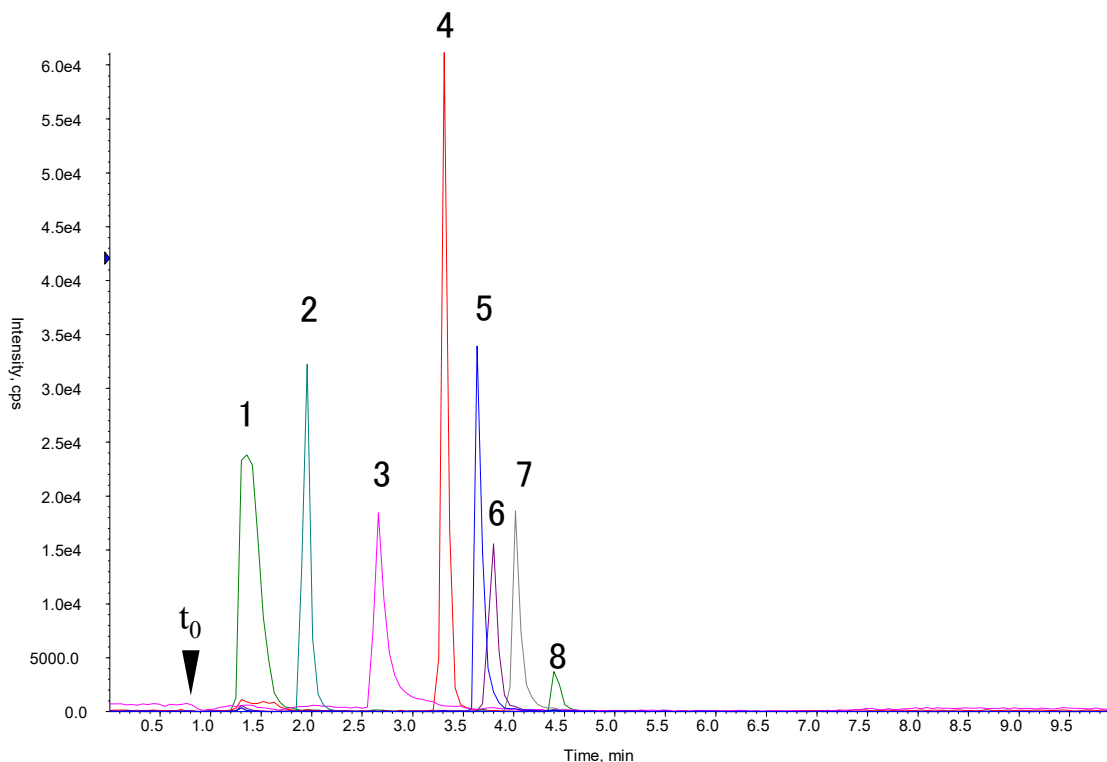


InertSearch for LC

Inertsil Applications

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 μ m, 150 x 2.1 mm I.D., Metal-free hardware)
- Column Cat. No.** : 5020-91059
- Eluent** : A) 100 mM $\text{CH}_3\text{COONH}_4$ in ($\text{CH}_3\text{CN}/\text{H}_2\text{O}=50/50$, v/v)
B) 0.5 % HCOOH in H_2O

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. ($\mu\text{g/L}$)
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 $^\circ\text{C}$
- 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