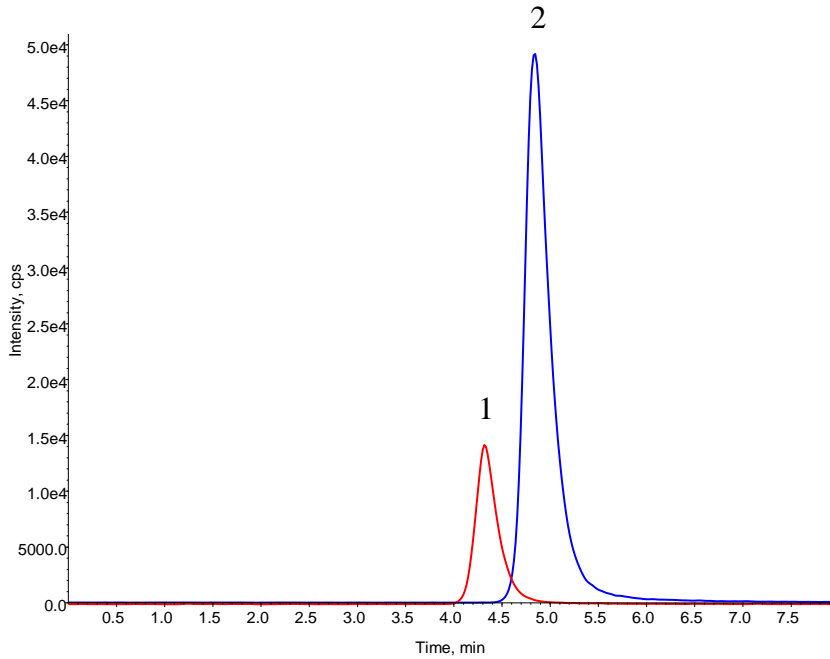


## Analysis of Diquat and Paraquat



### Conditions

**System** : LC800 HPLC system  
4000 QTRAP®

**Column** : Inertsil WP300 SIL  
(3 μm, 100 x 2.1 mm I.D.)

**Column Cat. No.** : 5020-

**Eluent** : 0.2 % HCOOH + 150 mM HCOONH<sub>4</sub> in (CH<sub>3</sub>CN/H<sub>2</sub>O = 60/40, v/v)

**Flow Rate** : 0.3 mL/min

**Col. Temp.** : 40 °C

**Detection** : LC/MS/MS (4000 QTRAP® ESI, Positive, MRM)

	CUR	CAD	IS	TEM	GS1	GS2		
	10	7	4500	500	80	80		
			Q1	Q3	DP	EP	CE	CXP
Diquat			182.8	156.9	70	10	32	7
Paraquat			92.8	171.2	52	10	21	8

### Analyte:

1. Diquat dibromide 25 μg/L  
2. Paraquat dichloride 25 μg/L

**Injection Vol.** : 20 μL  
**Sample** : Standard