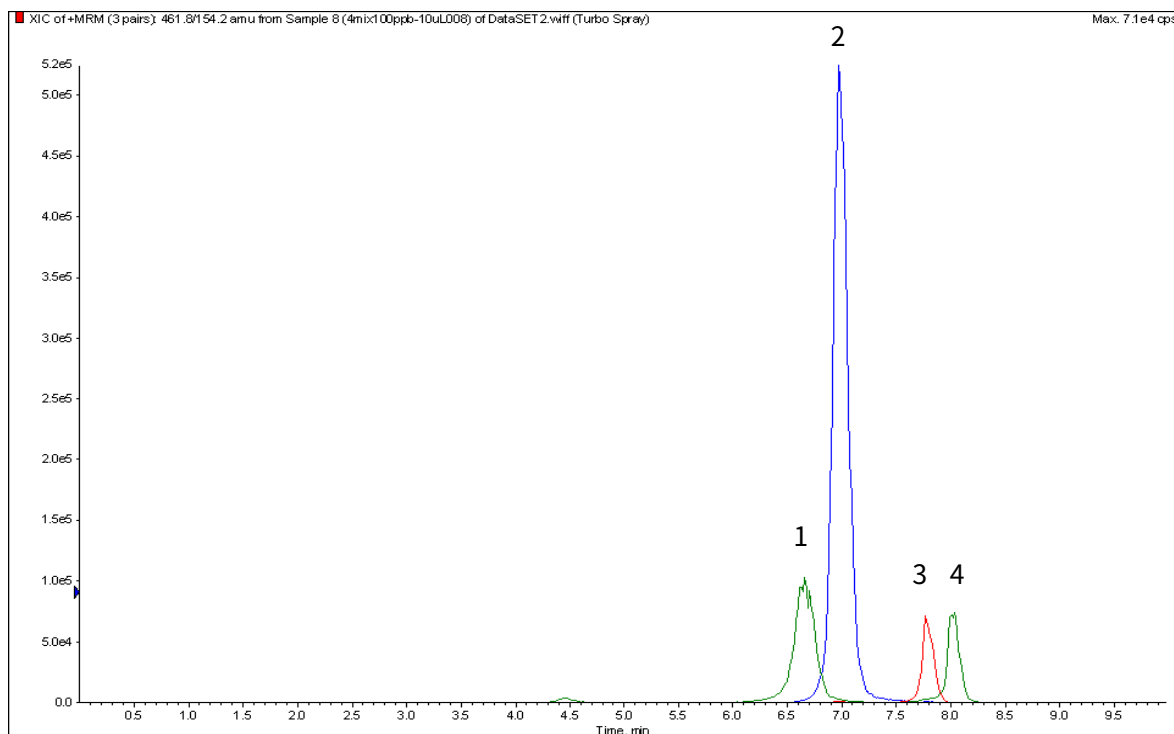


InertSearch™ for LC

Inertsil® Applications

Analysis of Tetracyclines

Data No. LA687-0811



Conditions

System

: LC800 HPLC system
4000 Q TRAP®

Column

: Inertsil ODS-4 (3 µm, 75 x 2.1 mm I.D.)

Column Cat. No.

: 5020-03913

Eluent

: A) 0.1 % HCOOH in CH₃OH

B) 0.1 % HCOOH in H₂O

A/B = 20/80 – 4.5 min – 20/80 – 2 min – 95/5 – 3.5 min – 95/5, v/v

Flow Rate

: 0.2 mL/min

Col. Temp.

: 40 °C

Detection

: LC/MS/MS (ESI, Positive, MRM)

Injection Vol.

: 10 µL

Analyte

1. Tetracycline (TC)	(100 µg/L)	Q1: 445.1	Q3: 154.0
2. Oxytetracycline (OTC)	(100 µg/L)	Q1: 460.9	Q3: 426.2
3. Chlortetracycline (CTC)	(100 µg/L)	Q1: 461.8	Q3: 154.2
4. Doxycycline (DC)	(100 µg/L)	Q1: 444.9	Q3: 427.9