

# GC Application

ID No.: 17899

## Healthcare Opiates by MSD on a ZB-Drug1

**Column:** Zebron<sup>™</sup> ZB-Drug-1, GC Cap. Column 10 m x 0.18 mm x 0.18 μm, Ea

**Phase:** Proprietary Drug Phase

**Dimensions:** 10 meters x 0.18 mm x 0.18 μm

**Order No:** 7CD-G023-08

**Oven Profile:** 180 °C to 340 °C @ 20 °C/min

**Carrier Gas:** Constant Flow Helium, 0.7 mL/min

**Injection:** Split 10:1 1 μL @ 260°C

**Detection:** Mass Selective (MSD) (320°C)

**Analyst Note:** Analytes are 24ppm derivatized with 1.Hydroxylamine 2.BSTFA

Sim ions:

(Quant ion\*) D6-Codeine (\*377,349): Codeine (\*371,343,234): D3-Morphine (\*432,417): Morphine

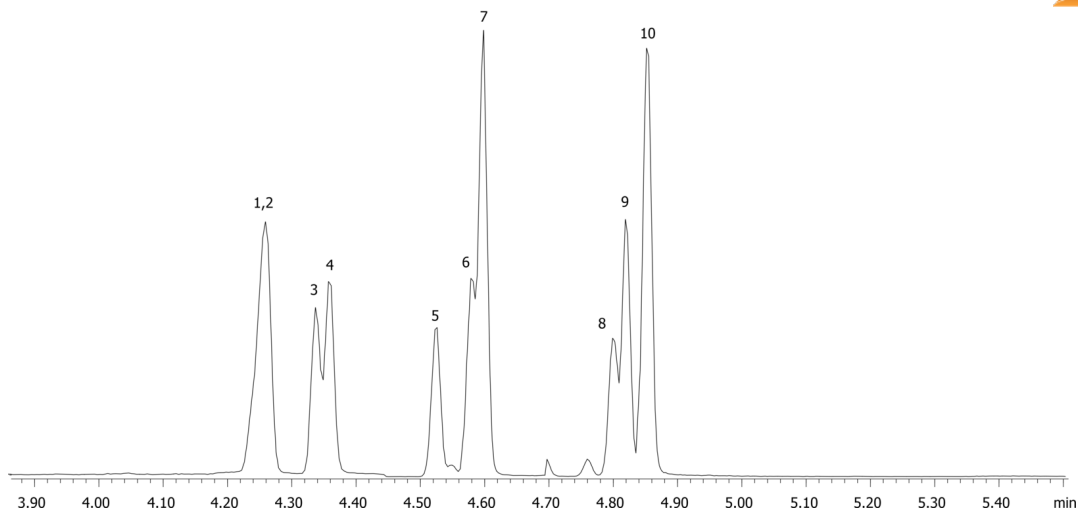
(\*429,414,401): Hydrocodone (\*386,297,371): D6-Hydromorphone (\*361,450): Hydromorphone (\*355,444,429):



Products used in this application:



17899



## Healthcare Opiates by MSD on a ZB-Drug1

### ANALYTES:

- 1 Morphine-d3
- 2 Morphine
- 3 Codeine-d6
- 4 Codeine
- 5 Oxymorphone
- 6 Hydromorphone-d6
- 7 Hydromorphone
- 8 Oxycodone-d6
- 9 Oxycodone
- 10 Hydrocodone

