

## Glycols and Benzene in Toothpaste by FID on ZB-WAXplus

**Column:** Zebtron™ ZB-WAXplus™, GC Cap. Column 30 m x 0.25 mm x 0.25 μm, Ea

**Phase:** Polyethylene Glycol (PEG)

**Dimensions:** 30 meters x 0.25 mm x 0.25 μm

**Order No:** 7HG-G013-11

**Oven Profile:** 80 °C to 180 °C @ 20 °C/min for 5 min.

**Carrier Gas:** Constant Flow Helium, 3 mL/min

**Injection:** Split 20:1 0.5 μL @ 225°C

**Detection:** Flame Ionization (FID) (250°C)

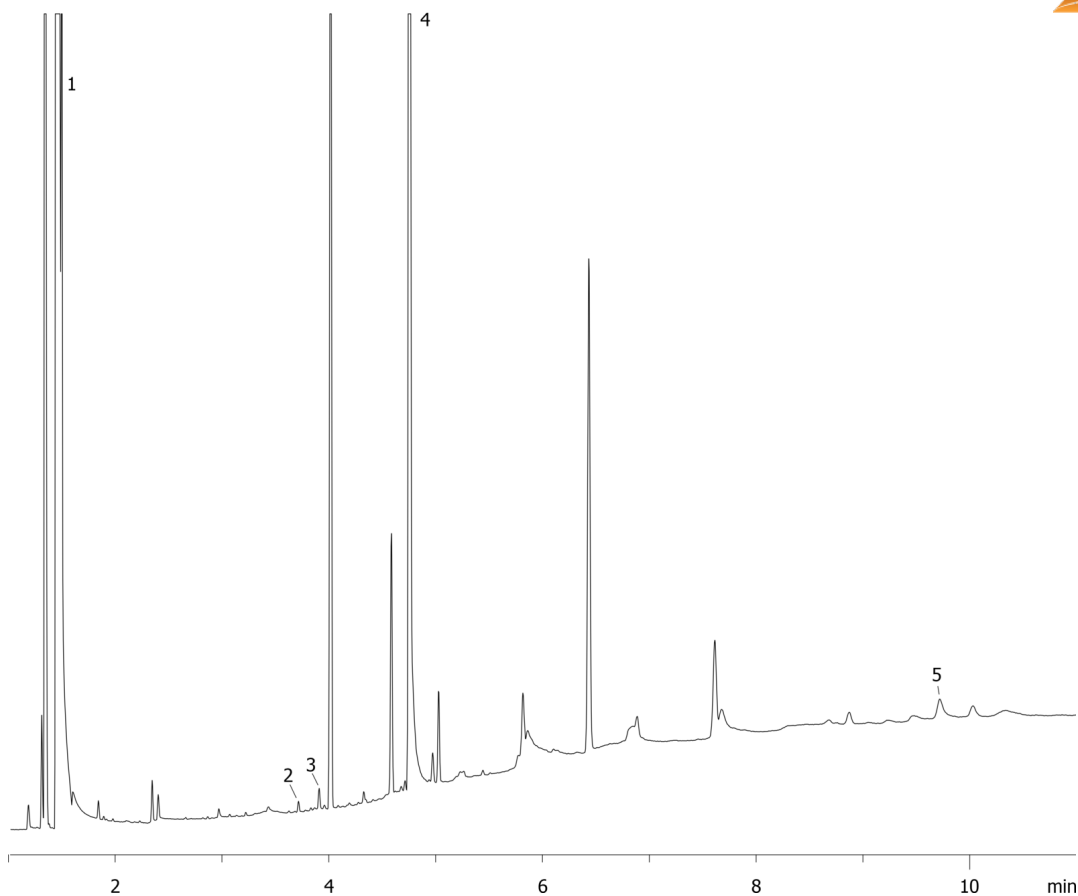
**Analyst Note:** 0.1 mg toothpaste in 1 ml 50:50 acetonitrile/H<sub>2</sub>O. 100 ul supernatant to 400 ul acetonitrile/water solvent. To 250



Products used in this application:



16420



### ANALYTES:

- 1 Acetonitrile
- 2 1,2-Propanediol
- 3 Ethylene glycol (EG)
- 4 1,3-Propanediol
- 5 Glycerol

