

Volatile Organics (Canada)

Rtx®-VMS

Column: Rtx®-VMS 30m, 0.25mm ID, 1.4 μ m (cat.# 19915)
Sample: 50 ppb each analyte in 25mL water, prepared from Canadian Drinking Water Volatiles Mix (cat.# 30610), 2000 μ g/mL each component in purge & trap methanol split, 35:1, 1mm ID Siltek® splitless inlet liner (cat.# 20972-214.1)
Inj.:
Inj. temp.: 200°C
Carrier gas: helium
Linear velocity: 30cm/sec. @ 35°C, constant pressure
Oven temp.: 35°C (5 min.), to 70°C @ 5°C/min., to 220°C @ 20°C/min. (hold 3 min.)
Det.: MS
Transfer line temp.: 150°C
Scan range: 35-250 amu
Ionization: EI
Mode: scan

Purge and Trap Conditions

Instrument: OI 4660 Eclipse Purge and Trap
Trap: #10 (Tenax®/silica gel/carbon molecular sieve)
Sample temp.: 40°C
Purge: 11 min. @ 40mL/min.
Desorb preheat: 185°C
Desorb: 0.5 min. @ 190°C
Desorb flow rate: 35.0mL/min.
Bake: 6 min. @ 210°C
Interface: split injector
Transfer line temp.: 150°C

