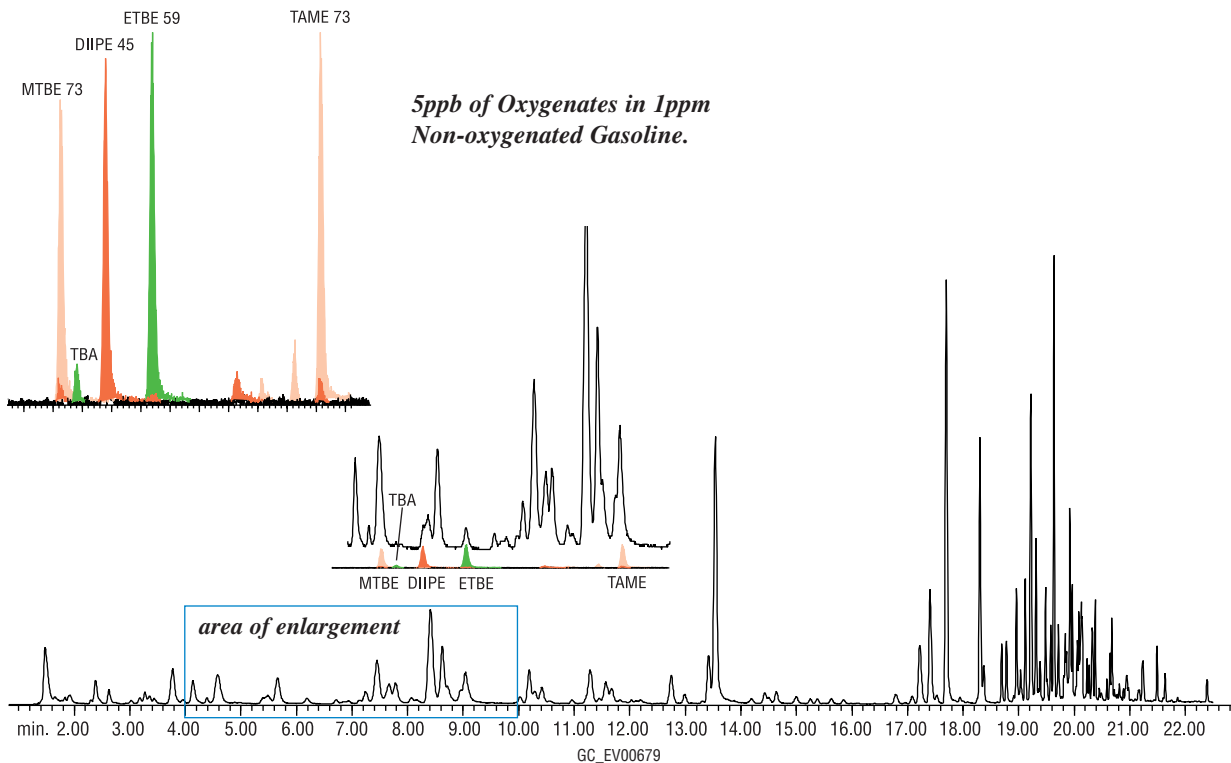


Gasoline Range Organics Oxygenates Rtx®-VMS



Rtx®-VMS, 30m, 0.25mm ID, 1.4µm (cat.# 19915)
 Sample: calibration mixes: cat.# 30475B, 30465, 30006, 30042;
 unleaded gasoline (cat.# 30096); non-oxygenated unleaded gasoline (custom)
 internal / surrogate standards: cat.# 30240, 30074

Purge and Trap Conditions
 O.I. 4560 Purge and Trap Concentrator
 Sample: 10mL
 Sample Temp.: 40°C
 Trap: #10 (Tenax®/silica gel/carbon molecular sieve)
 Trap Temp.: purge: 20°C; desorb: 190°C; bake: 210°C
 Purge: 11 min., 38mL/min.
 Desorb: 1.0 min., 32mL/min.
 Bake: 10 min.

Chromatography
 Inj. Temp.: 250°C, split 1:25
 Carrier Gas: helium, constant flow
 Flow Rate: 1.3mL/min.
 Dead Time: 1.47 min. @ 35°C
 Oven Temp.: 35°C (hold 7 min.) to 90°C @ 4°C/min. (no hold) to 220°C @ 45°C/min. (hold 1 min.)
 Det.: Agilent 5971A GC/MS
 Scan Range: 35–260 amu
 Tune: PFTBA/BFB

Acknowledgement: purge and trap courtesy of O.I. Analytical.