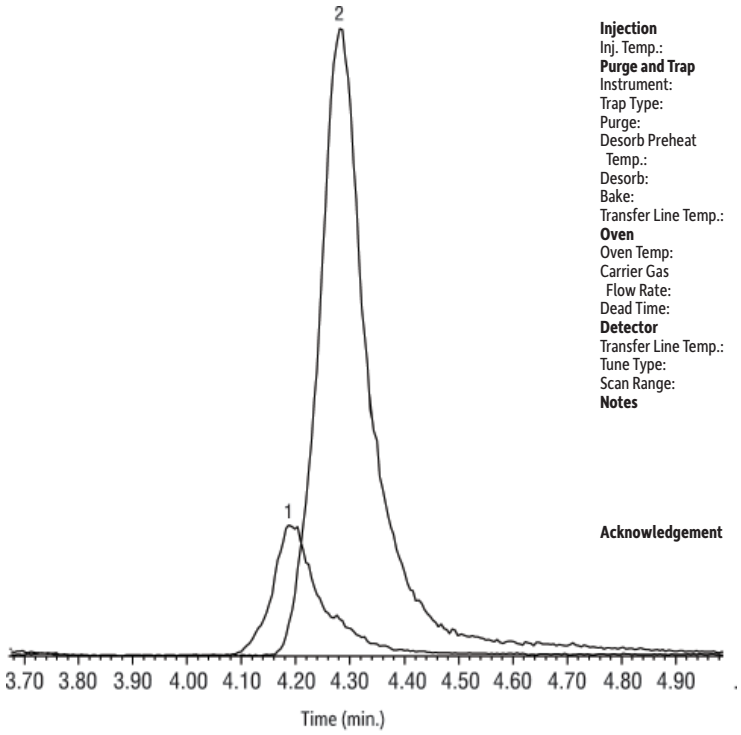
Volatile Organics (80 ppb Standard) on Rtx®-624 by EPA Method 8260 (extracted ion chromatogram, m/z 59 & m/z 73)

Peaks

1. *tert*-Butyl alcohol (Q1 59)
2. Methyl *tert*-butyl ether (Q1 73)



GC_EV00687

Column	Rtx®-624, 30 m, 0.25 mm ID, 1.40 µm (cat.# 10968)
Sample	8260B MegaMix® calibration mix kit (cat.# 30475) California oxygenates mix (cat.# 30465) VOA calibration mix #1 (ketones) (cat.# 30006) 8260A Surrogate mix (cat.# 30240) 8260 Internal standard mix (cat.# 30074)
Injection	purge and trap split (split ratio 25:1)
Inj. Temp.:	250 °C
Purge and Trap	
Instrument:	O.I. Analytical 4560 with 4551A Autosampler
Trap Type:	#10 (Tenax®/silica gel/carbon molecular sieve)
Purge:	11 min. @ 20 °C, flow 38 ml/min.
Desorb Preheat Temp.:	150 °C
Desorb:	1.0 min. @ 190 °C, flow 32 ml/min.
Bake:	10 min. @ 210 °C
Transfer Line Temp.:	110 °C
Oven	
Oven Temp:	35 °C (hold 7 min.)
Carrier Gas Flow Rate:	He, constant flow 1.3 mL/min.
Dead Time:	1.47 min. @ 35 °C
Detector	Agilent 5971A GC/MS
Transfer Line Temp.:	280 °C
Tune Type:	PFTBA/BFB
Scan Range:	35-260 amu
Notes	Sample size: 10 mL Sample temp: 40 °C Water Management: 110 °C purge, 0 °C desorb, 240 °C bake 6-Port Valve: 110 °C Sparge Mount: 45 °C Valve Manifold: 50 °C Other Conditions: prepurge, preheat, dry purge OFF
Acknowledgement	Purge & trap courtesy of O.I. Analytical

Restek Corporation 110 Benner Circle Bellefonte, PA 16823
1-814-353-1300 • 1-800-356-1688 • Fax: 1-814-353-1309 • www.restek.com