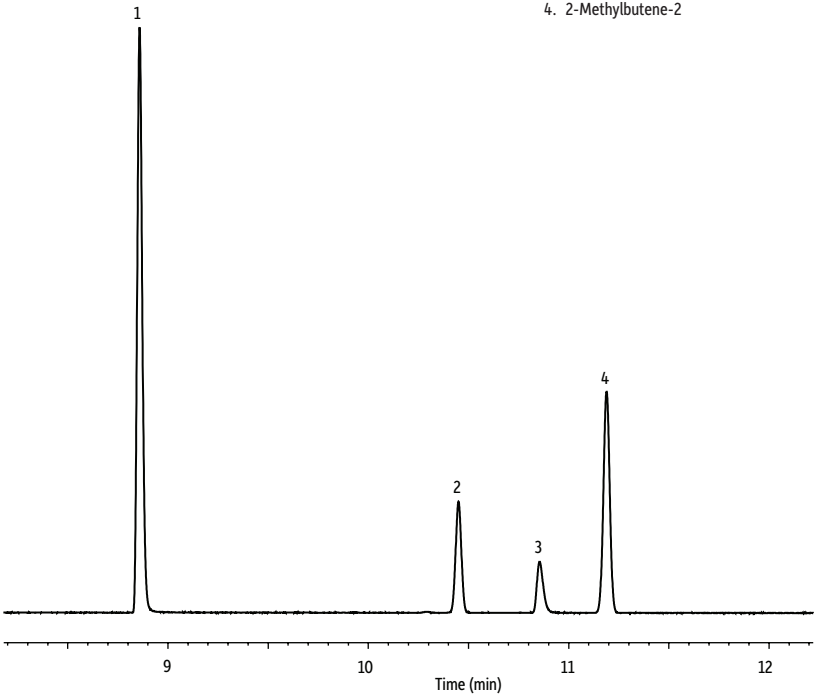
Detailed Hydrocarbon Analysis on Rtx-DHA-100/Rtx-5 DHA Tuning Column

Sharp, symmetric oxygenate peaks!

Peaks
1. Ethanol
2. C5
3. *tert*-Butanol
4. 2-Methylbutene-2



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Column	Rtx-DHA-100, 100 m, 0.25 mm ID, 0.50 µm (cat.# 10148) using Rtx-5 DHA tuning column, 2.62 m, 0.25 mm ID, 1.0 µm
Sample	Custom detailed hydrocarbon analysis (DHA) mix
Conc.:	Neat
Injection	
Inj. Vol.:	0.1 µL split (split ratio 150:1)
Liner:	4 mm cup splitter inlet liner with Siltek deactivation (cat.# 20709-214.1)
Inj. Temp.:	200 °C
Oven	
Oven Temp.:	35 °C
Carrier Gas	He, constant flow
Flow Rate:	2.3 mL/min
Linear Velocity:	28 cm/sec
Detector	FID @ 250 °C
Notes	C5 efficiency: 613,596 total theoretical plates k' (C5): 0.489 *tert*-Butanol skewness: 1.25 Resolution (*tert*-butanol/2-methylbutene-2): 5.60

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