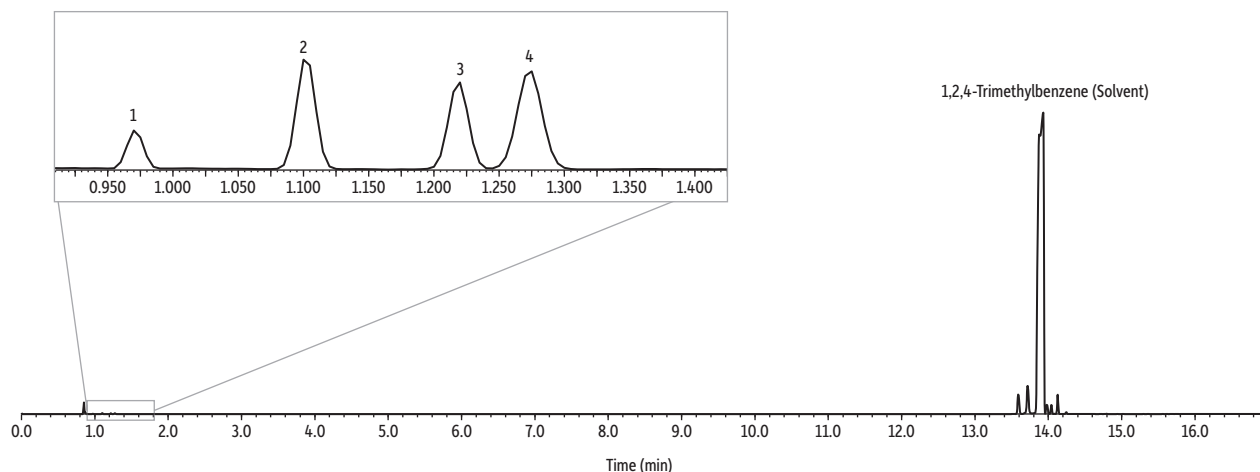


# Residual Solvent Gases Standard



GC\_GN1234

Peaks	tr (min)	Conc. (µg/mL)
1. n-Propane	0.970	125
2. Isobutane	1.100	125
3. n-Butane	1.220	125
4. Neopentane	1.275	125

**Column** Rxi-624Sil MS, 30 m, 0.25 mm ID, 1.40 µm (cat.# 13868)  
**Standard/Sample** Residual Solvent Gases Standard (cat.# 36024)  
**Diluent:** 1,2,4-Trimethylbenzene  
**Conc.:** 125 µg/mL  
**Injection**  
**Inj. Vol.:** 250 µL headspace-syringe split (split ratio 10:1)  
**Liner:** Topaz, straight/SPME inlet liner, 1.8 mm x 5.0 x 95 (cat.# 23279)  
**Inj. Temp.:** 280 °C  
**Headspace-Syringe**  
**Instrument:** AOC-6000 Plus  
**Syringe Temp.:** 150 °C  
**Sample Temp.:** 80 °C  
**Sample Equil. Time:** 45 min  
**Inj. Speed:** 25 mL/min  
**Inj. Dwell:** 0.05  
**Inj. Temp.:** 280 °C  
**Oven**  
**Oven Temp.:** 30 °C (hold 6 min) to 85 °C at 15 °C/min (hold 2 min) to 250 °C at 35 °C/min (hold 1 min)  
**Carrier Gas** He, constant flow  
**Flow Rate:** 2 mL/min  
**Detector** QP2020 NX MS  
**Scan Program:**

Group	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)
1	0	35-350	1111

**Transfer Line Temp.:** 250 °C  
**Analyzer Type:** Quadrupole  
**Source Temp.:** 200 °C  
**Solvent Delay Time:** 0 min  
**Tune Type:** PFTBA  
**Ionization Mode:** EI

**Instrument** Shimadzu GC 2030

**Sample Preparation** A Residual Solvents Gases (cat# 36024) working standard was prepared at 125 µg/mL. 50 µL of that working solution was added to a 20 mL headspace vial, then tested using HS-Syringe-GC-MS. Conditions were optimized for an expanded list of residual solvents, similar to GC\_GN1198.

## Notes

This chromatogram was generated with our residual solvent gases standard mix (cat #36024). We also offer single solutions of each analyte. Please see the catalog numbers below for reference.

Cat.#	Description
36020	Propane Standard
36021	Isobutane Standard
36022	Butane Standard
36023	Neopentane Standard