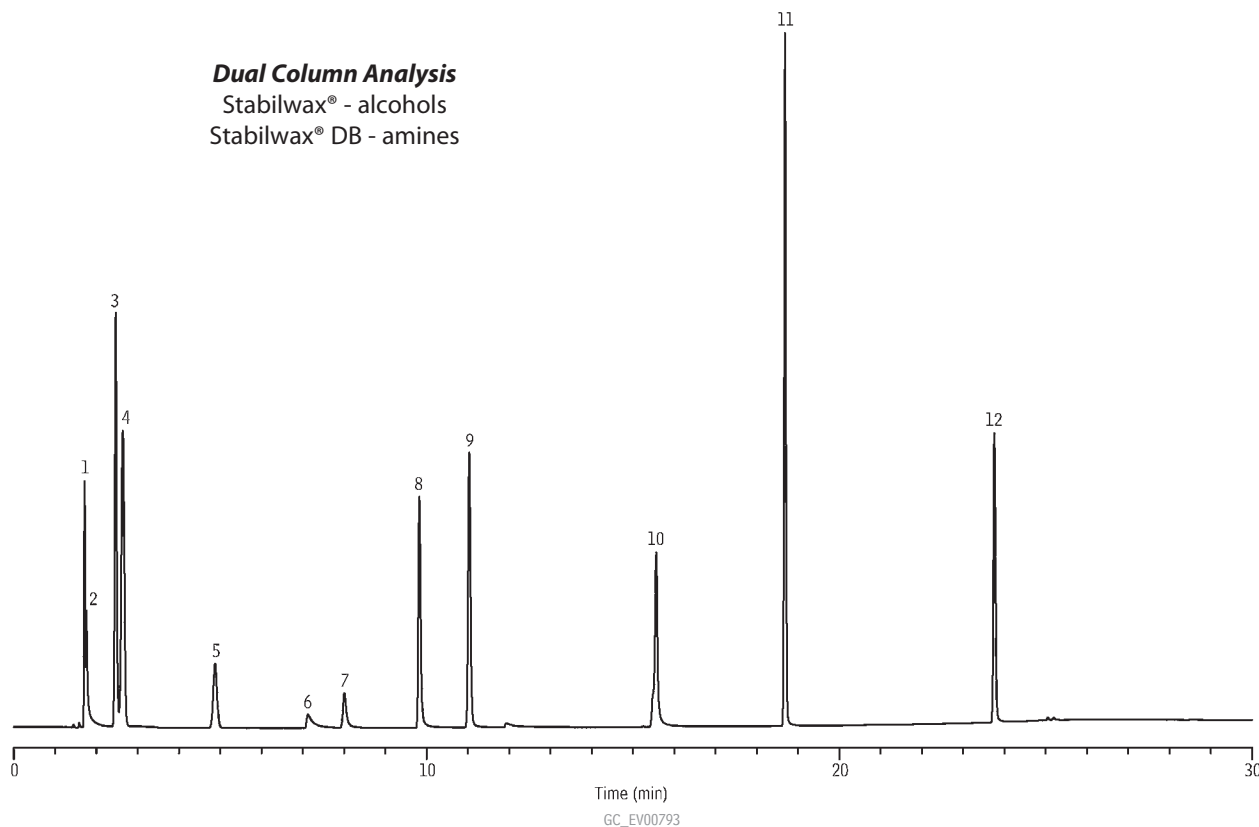


**Volatile Organic
US EPA Method 1671
Stabilwax® DB**

Dual Column Analysis
Stabilwax® - alcohols
Stabilwax® DB - amines



Peak	Retention Time (min.)	Concentration (µg/mL)
1. dimethylamine	1.71	200
2. methylamine	1.76	200
3. diethylamine	2.46	200
4. triethylamine	2.64	200
5. tetrahydrofuran (IS)	4.88	100
6. methanol	7.12	40
7. ethanol	8.01	40
8. acetonitrile	9.82	200
9. <i>n</i> -propanol	11.03	200
10. methyl Cellosolve®	15.56	200
11. formamide	18.68	500
12. dimethyl sulfoxide	23.75	100
ethylene glycol	no elution*	500

*Included in sample, but does not elute due to base deactivation in the DB phase.

Columns: shown: Stabilwax® DB, 30m, 0.32mm ID, 1.0µm (cat.# 10854)
(Column 1 - not shown: Stabilwax®, 30m, 0.32mm ID, 1.0µm (cat.# 10654))
Flow from injector split to two columns using 0.53mm ID intermediate-polarity deactivated guard column (cat.# 10045), SeCure™ “V” Connector (cat.# 20278), and “V” Press-Tight® Connector (cat.# 20405)

Sample: 1671 volatile organics mix in deionized water, concentrations indicated on figure.

Inj.: 1.0µL, split (split ratio 12:1), 4mm gooseneck splitless inlet liner (cat.# 20798)

Inj. temp.: 200°C
Carrier gas: helium, constant pressure
Linear velocity: 2.51mL/min. / 39.68cm/sec. @ 40°C
(Column 1: 2.48mL/min. / 39.25cm/sec. @ 40°C)

Oven temp.: 40°C (5 min.) to 180°C @ 7°C/min., hold 5 min.
Det.: FID @ 250°C