GS-Tek

Amine Analysis

The instrumentation condition in this analysis is recorded as follows,

GC: Agilent 7890 w/ FID

Column: 7632-3000 GsBP-VAmine

Dimensions: 30 meter x 0.32 mm

Oven temp.: 100°C 4min 8°C/min 200°C 10min

Carrier Gas: Hydrogen @ 1 mL/min (Constant Flow)

Injection: Split flow 50ml/min @ 275 °C, 0.1 µL

Detector: FID @ 325 °C

Sample：amine column test mix

Figure 1. Amine analysis using GsBP-VAmine 7632-3000 GC column

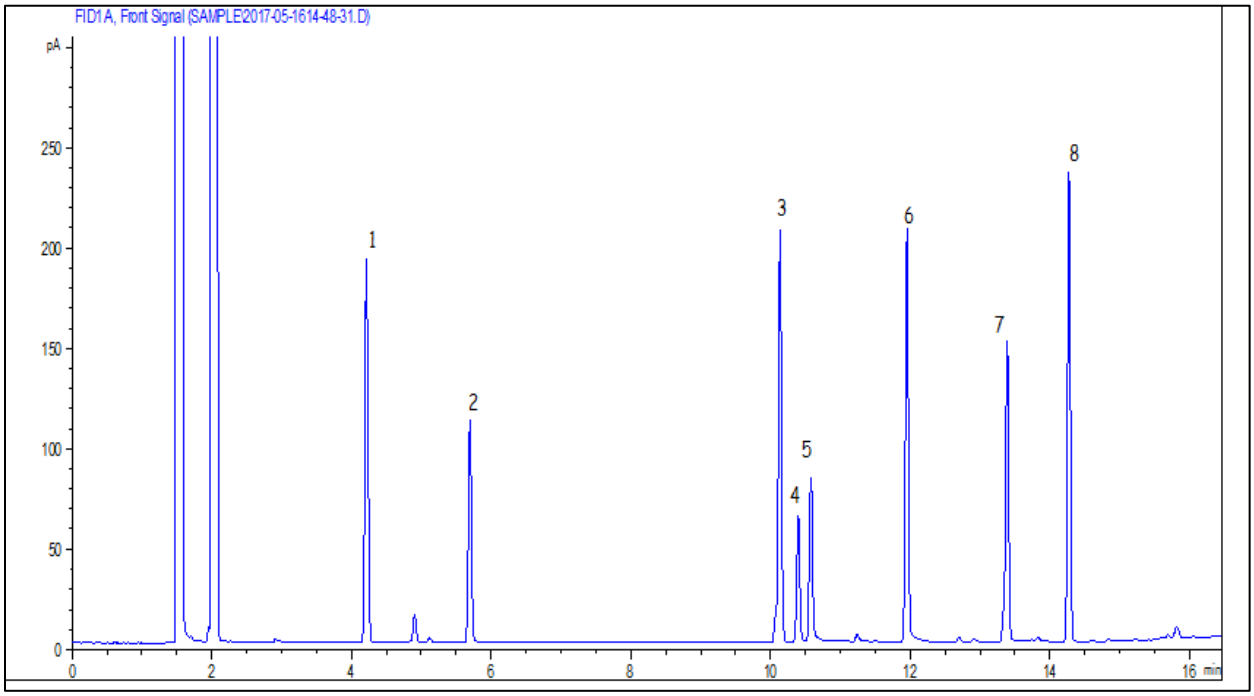

Table 1. Peak identification of analysis in Figure 1

Peak No.	Compound	Retention Time (min)	Resolution
1	pyridine	4.214	
2	1,2-butanediol	5.697	
3	decane	10.137	
4	2-Nonanol	10.398	6.22
5	Diethylenetriamine	10.579	4.57
6	Diethanolamine	11.954	
7	2,6-Dimethylaniline	13.385	
8	Dodecane	14.269	

THANKS for your interest in our products.

Zoe Wang

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