

Headspace Analysis of Cyanides in Blood



Application Note

AN0048

SCION GC-HS-NPD

GC-FID conditions

HS	60°C, 30 minutes, 250µL
Injector	200°C, split
Sample	500µL + 100µL phosphoric acid + ACN
Column	SCION-BOND Q 25m x 0.53mm x 10µm
Oven	120°C
Carrier Gas	Helium, 40kPa
NPD	230°C

Peak Identification

	Peak Identification	Conc (mg/L)
1	Nitrogen	-
2	Hydrocyanic Acid	0.47
3	Acetonitrile	1.0

