

EPA Methods 25, 25A, 25B, 25C, 25D and 25E Calibration Standards and Support Gases

US EPA Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon; Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer; Method 25B, Determination of Total Gaseous Organic Concentration Using a Nondispersive Infrared Analyzer; Method 25C, Determination of Nonmethane Organic Concentration (NMOC) in Landfill Gases; Method 25D, Determination of the Volatile Organic Concentration of Waste Samples; and Method 25E, Determination of Vapor Phase Organic Concentration in Waste Samples all have specific requirements for gaseous calibration standards and support gases.

Spectra provides all of the following as required by the various methods:

	25	25A	25B	25C	25D	25E
1% CH ₄ in Air	X			X		
20 ppm C ₃ H ₈ in Air	X			X		
200 ppm C ₃ H ₈ in Air	X			X		
3000 ppm C ₃ H ₈ in Air	X			X		
50 ppm CO ₂ in Air	X					
500 ppm CO ₂ in Air	X					
1% CO ₂ in Air	X					
50 ppm CO / 50 ppm CH ₄ / 20 ppm C ₃ H ₈ / 1% CO ₂ in Air	X			X		
50 ppm Hexane in Air	X					
20 ppm Toluene in Air	X					
100 ppm Methanol in Air	X					
VOC free He	X					
VOC free O ₂	X				X	X
VOC free H ₂	X				X	X
VOC free Air	X	X	X	X	X	X
VOC free N ₂					X	
FID fuel 40% H ₂ / 60% He or 40% H ₂ / 60% N ₂		X		X		
Low level calibration gas (25-35% of span value)		X	X	X		
Mid level calibration gas (45-55% of span value)		X	X	X		
High level calibration gas (80-90% of span value)		X	X	X		
10% C ₃ H ₈ / 1% 1,1-Dichloroethylene balance N ₂ *					X	
100% C ₃ H ₈						X

* VP restricted

Please contact Spectra Environmental Division for information on other standards and concentrations

