

Method 7E - Interference Response

Date of Test: January 16, 2023
Gas of Interest: SO2
Analyzer Type: Non-Dispersive Infrared (NDIR)
Model: 701LX
Serial Number: 2201048
Range: 1,000 ppm SO2 / Balance Nitrogen
Calibration Span: 1,001 ppm SO2 / Balance Nitrogen

Test Gas	Interferent Concentration	As ppm SO2
CO2	4%	-0.08
CO2	20%	0.57
N2O	1000 ppm	0.01
CO	100 ppm	-0.35
NH3	100 ppm	0.06
CH4	50 ppm	8.19
NO	50 ppm	0.31
HCL	10 ppm	-0.29

Sum of responses = 8.42

Span value = 1,001.0 ppm

% of Span Calibration = 0.84%

No active gas correction used for this testing.