Table B-3 to Subpart B of Part 53—Interferent Test Concentration,[1] Parts per Million

Pollutant	Analyzer type	Hydrochloric acid	Ammonia	Hydrogen sulfide	Sulfur dioxide	Nitrogen dioxide	Nitric oxide	Carbon dioxide	Ethylene	Ozone	m-Xylene	Water vapor	Carbon monoxide	Methane	Ethane	Naphthalene
SO_2	Ultraviolet fluorescence			[5] 0.1	[4] 0.14	0.5	0.5			0.5	0.2	20,000				0.05
SO_2	Flame photometric			0.01	[4] 0.14			750				[3] 20,000	50			
SO_2	Gas chromatography			0.1	[4] 0.14			750				[3] 20,000	50			
SO_2	Spectrophotometric -wet chemical (pararosanaline)	0.2	0.1	0.1	[4] 0.14	0.5		750		0.5						
SO_2	Electrochemical	0.2	0.1	0.1	[4] 0.14	0.5	0.5		0.2	0.5		[3] 20,000				
SO_2	Conductivity	0.2	0.1		[4] 0.14	0.5		750								
SO_2	Spectrophotometric -gas phase, including DOAS				[4] 0.14	0.5				0.5	0.2					
O_3	Ethylene chemiluminescene			0.1				750		[4] 0.08		20,000				
O_3	NO-chemiluminescene			0.1		0.5		750		[4] 0.08		20,000				
O_3	Electrochemical		[3] 0.1		0.5	0.5				[4] 0.08						
O_3	Spectrophotometric -wet chemical (potassium iodide)		[3] 0.1		0.5	0.5	0.5			[4] 0.08						