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INFORMATION
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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	Mxylene	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	.....	.....	.....	[6]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 (pararosaniline).	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	Chemiluminescent	.....	.....	[3]0.1	.....	.....	.....	750	.....	[4]0.08	.....	[3]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	[3]0.5	.....	.....	[4]0.08	.....	.....	.....	.....	.....	
O_3	Spectrophotometric-gas phase, including ultraviolet absorption and DOAS).	.....	.....	.....	0.5	0.5	0.5	.....	.....	[4]0.08	0.02	20,000	.....	.....	.....	
CO ...	Non-dispersive Infrared	.....	.....	.....	.....	.....	.....	750	.....	.....	.....	20,000	[4]10	.....	.....	
CO ..	Gas chromatography with flame ionization detector.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20,000	[4]10	.....	0.5	
CO ..	Electrochemical	.....	.....	.....	.....	.....	0.5	.....	0.2	.....	.....	20,000	[4]10	.....	.....	
CO ...	Catalytic combustion-thermal detection	.....	0.1	.....	.....	.....	.....	750	0.2	.....	.....	20,000	[4]10	5.0	0.5	
CO ..	IR fluorescence	.....	.....	.....	.....	.....	.....	750	.....	.....	.....	20,000	[4]10	.....	0.5	
CO ...	Mercury replacement-UV photometric	.....	.....	.....	.....	.....	.....	.....	0.2	.....	.....	.....	[4]10	.....	0.5	
NO_2 ..	Chemiluminescent	.....	[3]0.1	.....	0.5	[4]0.1	0.5	.....	.....	.....	.....	20,000	.....	.....	.....	
NO_2 ..	Spectrophotometric-wet chemical (azo-dye reaction).	.....	.....	.....	0.5	[4]0.1	0.5	750	.....	0.5	.....	.....	.....	.....	.....	
NO_2 ..	Electrochemical	0.2	[3]0.1	.....	0.5	[4]0.1	0.5	750	.....	0.5	.....	20,000	50	.....	.....	
NO_2 ..	Spectrophotometric-gas phase	.....	[3]0.1	.....	0.5	[4]0.1	0.5	.....	.....	0.5	.....	20,000	50	.....	.....	

[1] Concentrations of interferent listed must be prepared and controlled to ±10 percent of the stated value.
[2] Analyzer types not listed will be considered by the Administrator as special cases.
[3] Do not mix with the pollutant.
[4] Concentration of pollutant used for test. These pollutant concentrations must be prepared to ±10 percent of the stated value.
[5] If candidate method utilizes an elevated-temperature scrubber for removal of aromatic hydrocarbons, perform this interference test.
[6] If naphthalene test concentration cannot be accurately quantified, remove the scrubber, use a test concentration that causes a full scale response, reattach the scrubber, and evaluate response for interference.