



## Appendix B Air Pollutant Limits

Following are the limits for pollutant gases in records storage, processing, and exhibit areas. The levels of pollutant gases specified in this appendix are based on the lowest concentrations that can readily be measured and achieved with current air filtration technology. There are no known "safe" lower limits below which pollutants will not cause damage.

Type of Pollutant	Maximum permitted after air filtration
Sulfur dioxide	1 ppb (part per billion); 2.7 $\mu$ g/m <sup>3</sup>
Nitrogen dioxide	2.6 ppb; 5.0 $\mu$ g/m <sup>3</sup>
Ozone	2.0 ppb; 4.0 $\mu$ g/m <sup>3</sup>
Formaldehyde	4.0 ppb; 5.0 $\mu$ g/m <sup>3</sup>
Acetic acid	4.0 ppb; 10.0 $\mu$ g/m <sup>3</sup>

**Note:** Research rooms must have at least office quality air filtration.