

INDOOR AIR QUALITY SAMPLING AND ANALYTICAL METHODS

CONTAMINANT	DETECTION LIMIT	SCREENING METHOD	VALIDATED MEASUREMENT
Bioaerosols	Detection Limit to 10,000 cfu/m ³	Biotest RCS air sampler with agar strip GK-A or N6 Andersen impactor. Consult lab for media.	None
Ammonia NH ₃	2 - 30 ppm	Drager Ammonia 2/a (67-33231)	Midget Fritted Bubbler-H ₂ SO ₄ , IC
Carbon Monoxide CO	2 - 300 ppm	Drager CO 2/a (67-33051)	5 liter sampling bag, GC/DID (OSHA 200) or Ecolyzer ¹
Formaldehyde HCHO	0.04 - 1 ppm	Drager Formaldehyde 0.2/a (67-33081) and Formaldehyde Activation Tube (81-01141)	Coated XAD-2 tube, GC/NPD (OSHA 52) ¹
Nitrogen Dioxide NO ₂	0.5 - 10 ppm	Drager NO ₂ 0.5/a (CH 19501)	TEA-Molecular sieve tube, IC (OSHA 182) ¹
Ozone O ₃	0.05 - 1.4 ppm	Drager Ozone 0.05/b (67-33181)	Midget Impinger-iodine method (NIOSH S8) ¹
Particulates	0 - 40,000 particles/cc	TSI PortaCount	Gravimetric, 5 PVC filter (IMIS 9136) ¹

C-48, Attachment G (08/01/94)