

Table I. Odor thresholds in air (ppm volume).

Chemical	Odor Threshold	Odor Description ^a
Acetaldehyde	0.21	Green sweet,
Acetic acid	1.0	Sour
Acetone	100.0	Chemical sweet, pungent
Acrolein	0.21	Burnt sweet, pungent
Acrylonitrile	21.4	Onion-garlic-pungency
Allyl chloride	0.47	Garlic-onion pungency, green
Amine, dimethyl	0.047	Fishy
Amine, monomethyl	0.021	Fishy, pungent
Amine, trimethyl	0.00021	Fishy, pungent
Ammonia	46.8	Pungent
Aniline	1.0	Pungent
Benzene	4.68	Solvent
Benzyl chloride	0.047	Solvent
Benzyl sulfide	0.0021	Sulfidy
Bromine	0.047	Bleach, pungent
Butyric acid	0.001	Sour
Carbon disulfide	0.21	Vegetable sulfide
Carbon tetrachloride (chlorination of CS ₂)	21.4	Sweet, pungent
Carbon tetrachloride (chlorination of CH ₄)	100.0	
Chloral	0.047	Sweet
Chlorine	0.314	Bleach, pungent
Dimethylacetamide	46.8	Amine, burnt, oily
Dimethylformamide	100.0	Fishy, pungent
Dimethyl sulfide	0.001	Vegetable sulfide
Diphenyl ether (perfume grade)	0.1	
Diphenyl sulfide	0.0047	Burnt rubbery
Ethanol (synthetic)	10.0	Sweet
Ethyl acrylate	0.00047	Hot plastic, earthy
Ethyl mercaptan	0.001	Earthy, sulfidy
Formaldehyde	1.0	Hay/straw-like, pungent
Hydrochloric acid gas	10.0	Pungent
Hydrogen sulfide (from Na ₂ S)	0.0047	Eggy sulfide
Hydrogen sulfide gas	0.00047	
Methanol	100.0	Sweet
Methyl chloride	(above 10 ppm)	
Methylene chloride	214.0	
Methyl ethyl ketone	10.0	Sweet
Methyl isobutyl ketone	0.47	Sweet
Methyl mercaptan	0.0021	Sulfidy, pungent
Methyl methacrylate	0.21	Pungent, sulfidy
Monochlorobenzene	0.21	Chlorinated, moth balls
Nitrobenzene	0.0047	Shoe polish, pungent
Paracresol	0.001	Tar-like, pungent
Paraxylene	0.47	Sweet
Perchloroethylene	4.68	Chlorinated solvent
Phenol	0.047	Medicinal
Phosgene	1.0	Hay-like
Phosphine	0.021	Oniony, mustard
Pyridine	0.021	Burnt, pungent, diamine
Styrene (inhibited)	0.1	Solventy, rubbery
Styrene (uninhibited)	0.047	Solventy, rubbery, plasticity
Sulfur dichloride	0.001	Sulfidy
Sulfur dioxide	0.47	
Toluene (from coke)	4.68	Floral, pungent, solventy
Toluene (from petroleum)	2.14	Moth balls, rubbery
Tolylene diisocyanate	2.14	Medicated bandage, pungent
Trichloroethylene	21.4	Solventy

^a Other than chemical name