

Compound	Douglas fir	Engelmann spruce	Lodgepole pine	Ponderosa pine	Subalpine fir	Chaparral – chamise (NM*)	Chaparral – manzanita (NM)
CO ₂	1685.99 (23.68)	1644.61 (55.81)	1688.52 (22.26)	1699.05 (23.11)	1659.79 (10.91)	1714.70 (14.78)	1698.45 (15.79)
CO	65.87 (12.66)	69.42 (18.47)	70.52 (9.67)	78.52 (10.90)	72.80 (5.07)	55.82 (4.96)	40.62 (0.72)
CH ₄	2.31 (0.39)	3.02 (1.38)	2.61 (0.32)	2.76 (0.85)	3.86 (1.34)	1.26 (0.10)	1.14 (0.07)
Methanol (CH ₃ OH)	0.73 (0.14)	1.34 (0.70)	0.86 (0.20)	1.31 (0.59)	1.28 (0.55)	0.40 (0.04)	0.53 (0.07)
Formaldehyde (HCHO)	1.53 (0.40)	1.56 (0.26)	1.67 (0.50)	1.79 (0.46)	1.92 (0.32)	0.55 (0.002)	0.46 (0.14)
Hydrochloric acid (HCl)	–	0.05	–	–	–	–	–
Acetylene (C ₂ H ₂)	0.40 (0.11)	0.32 (0.07)	0.55(0.11)	0.47 (0.15)	0.50 (0.05)	0.31 (0.08)	0.22 (0.09)
Ethylene (C ₂ H ₄)	1.33 (0.31)	1.18 (0.21)	1.85 (0.35)	1.61 (0.47)	1.86 (0.53)	0.48 (0.05)	0.57 (0.18)
Propene (C ₃ H ₆)	0.35 (0.05)	0.45 (0.20)	0.71 (0.42)	0.52 (0.14)	0.68 (0.36)	0.11 (0.01)	0.17 (0.05)
Ammonia (NH ₃)	0.47 (0.07)	1.13 (0.70)	0.62 (0.13)	0.69 (0.22)	0.85 (0.57)	0.56 (0.02)	0.52 (0.03)
1,3-Butadiene	0.01	0.02	0.06 (0.04)	0.04 (0.02)	0.09 (0.03)	–	–
Acetic acid (CH ₃ COOH)	1.14 (0.20)	1.71 (0.46)	1.12 (0.46)	1.64 (1.03)	1.99 (1.36)	0.74 (0.05)	1.75 (1.39)
Formic acid (CH ₂ O ₂)	0.25 (0.07)	0.23 (0.02)	0.21 (0.05)	0.28 (0.09)	0.26 (0.06)	0.05 (0.002)	0.18 (0.16)
Furan (C ₄ H ₄ O)	0.14 (0.05)	0.15 (0.11)	0.18 (0.04)	0.30 (0.10)	0.16 (0.03)	0.06 (0.03)	0.46 (0.59)
Hydroxyacetone	0.58 (0.07)	0.75 (0.16)	0.53 (0.29)	0.97 (0.29)	0.72 (0.09)	0.36 (0.07)	0.31 (0.08)
Phenol	0.46 (0.41)	0.62 (0.09)	0.42 (0.18)	0.89 (0.20)	0.61 (0.27)	0.49 (0.07)	0.31 (0.09)
Furaldehyde	0.68	0.72 (0.17)	0.73 (0.06)	0.95 (0.26)	0.58 (0.37)	0.53 (0.25)	0.72 (0.11)
NO	1.83 (0.24)	1.71 (0.11)	1.84 (0.14)	1.25 (0.40)	1.85 (0.12)	2.39 (0.05)	1.89 (0.01)
NO ₂	1.57 (0.32)	2.03 (0.44)	1.13 (0.32)	1.53 (0.70)	1.37 (0.19)	0.49 (0.11)	0.81 (0.10)
HONO	0.65 (0.18)	0.42 (0.16)	0.68 (0.05)	0.60 (0.19)	0.71 (0.05)	0.48 (0.11)	0.44 (0.01)
Glycolaldehyde	0.53 (0.06)	0.63 (0.06)	0.63 (0.10)	0.69 (0.17)	0.76 (0.14)	0.12	0.18
HCN	0.20 (0.02)	0.27 (0.05)	0.24 (0.05)	0.29 (0.08)	0.25 (0.05)	0.10 (0.03)	0.07
SO ₂	1.18 (0.06)	1.32 (0.19)	1.31 (0.15)	1.49 (0.50)	1.67 (0.48)	0.82 (0.05)	0.90
MCE	0.94 (0.01)	0.94 (0.02)	0.94 (0.01)	0.93 (0.01)	0.94 (0.01)	0.95 (0.01)	0.96 (0.001)