

Table IV. Input data for thermodynamic calculations by the computer.

Sample	Γ_0/V_0^a	Density ^b (g/cc)	Coef. of vol. expansion ^c (1/ C)10 ⁻³	Specific heat ^{d, e, f, g} $C_P = A + BT + CT^2$ (ergs/g- K)	Initial temp. (C)	Intercept ^h C (km/sec)	Slope ^h M
C ₆ H ₆	1.06	0.879	1.237	A = 1.52(10 ⁷) B = -1.24(10 ⁴) C = 67.0	293	1.88	1.58
CS ₂	1.97	1.263	1.218	A = 1.41(10 ⁷) B = -6.61(10 ⁴) C = 180	293	1.64	1.46
CCl ₄	2.00	1.595	1.236	A = 7.81(10 ⁶) B = 2.24(10 ³) C = 0	293	1.47	1.57
LN ₂	1.77	0.820	6.0	A = 1.74(10 ⁷) B = 4.00(10 ⁴) C = 0	75	1.49	1.49