

TABLE VI

Heat of Fusion, Entropy, and Temperature-Pressure Coefficient Calculated from High-Pressure Data

Dichloroacetic Acid
Solid to Liquid

Temp. °C	Press. kg/cm ²	ΔV cm ³ /kg	dT/dP °C/kg cm ⁻²	ΔH_m cal/mole	ΔS_m cal/deg./mole
15.2	100	86	.026 ₆	2830	9.8
30.1	695	79	.023 ₄	3040	10.
59.4	2200	46	.016 ₆	2870	8.6

TABLE VII

Latent Heats, Entropies, and Temperature-Pressure Coefficients Calculated from High-Pressure Data

Monobromoacetic Acid

Temp. °C	Press. kg/cm ²	ΔV cm ² /kg	dT/dP °C/kg cm ⁻²	ΔH_t cal/mole	ΔS_t cal/deg./mol
C III to Liquid					
54.8	335	38	.023 ₄	1750	5.3
60.0	570	31	.021 ₀	1600	4.6
74.8	1370	26	.017 ₄	1690	6.1
89.8	2265	22	.016 ₄	1580	4.4
C I to C II					
15.2	563	-4.0	-.095	40	0.14
30.1	395	-4.1	-.083	49	0.16
45.1	200	-4.1	-.071	60	0.19
C II to C III					
15.2	1650	-3.2	-.018	167	0.58
30.1	990	-3.2	-.027	123	0.39
45.1	500	-3.1	-.034	94	0.30

Triple points: (1) L, C I, C II approx. 50.5°C and 120 kg/cm²
(2) L, C II, C III approx. 53°C and 260 kg/cm²