

Table IX. Some calculated thermodynamic quantities and pertinent experimental data.

	Benzene	Carbon disulfide	Carbon tetrachloride	Liquid nitrogen
Lower $U_s - U_p$ slope	1.58	1.46	1.57	1.49
Middle $U_s - U_p$ slope	0.43	---	---	2.00
Upper $U_s - U_p$ slope	1.34	1.32	1.31	0.90
Transition pressure (kbar)	125	64	150	240
Hugoniot temperature at transition (K)	2200	1000	2800	7200
Sound speed on Hugoniot at transition (km/sec)	7.2	3.8	5.3	7.1
Best fit gamma (Γ_f)	2.39	1.86	3.10	4.20
Thermodynamic gamma (Γ_0)	1.20	1.56	1.25	2.24
Hugoniot energy at transition (erg(10^{10}))	3.9	1.0	2.0	7.9