

Table VII. Shock wave data for the carbon tetrachloride Hugoniot.

Shot No.	Initial temp. (°C)	Initial density (g/cc)	Shock vel. (km/sec)	Particle vel. (km/sec)	Pressure (kbar)	Relative vol. V/V_0
1	22	1.590	2.32 ± 0.01	0.58 ± 0.08	21.3 ± 3.0	0.752 ± 0.035
2	29	1.577	2.27 ± 0.01	0.69 ± 0.04	24.7 ± 1.5	0.697 ± 0.018
3	28	1.571	2.47 ± 0.01	0.69 ± 0.04	26.6 ± 1.7	0.722 ± 0.018
4	28	1.571	2.79 ± 0.01	0.82 ± 0.02	36.4 ± 1.2	0.702 ± 0.010
5	24	1.586	2.91 ± 0.01	0.90 ± 0.03	41.3 ± 1.4	0.692 ± 0.010
6	20	1.594	2.95 ± 0.01	0.90 ± 0.04	42.3 ± 1.7	0.694 ± 0.013
7	19	1.596	3.28 ± 0.01	1.12 ± 0.03	58.7 ± 1.4	0.658 ± 0.008
8	32	1.571	3.32 ± 0.01	1.20 ± 0.02	62.8 ± 1.1	0.637 ± 0.006
9	14	1.606	3.46 ± 0.01	1.20 ± 0.03	66.7 ± 1.4	0.652 ± 0.007
10	22	1.591	3.44 ± 0.01	1.23 ± 0.02	67.4 ± 1.3	0.643 ± 0.007
11	18	1.598	3.50 ± 0.01	1.33 ± 0.08	74.0 ± 4.5	0.621 ± 0.023
12	29	1.577	3.74 ± 0.01	1.49 ± 0.02	88.1 ± 1.4	0.601 ± 0.006
13	29	1.571	3.86 ± 0.01	1.57 ± 0.01	95.1 ± 0.7	0.594 ± 0.003
14	14	1.606	4.08 ± 0.01	1.61 ± 0.05	106 ± 3	0.604 ± 0.011
15	27	1.580	4.07 ± 0.01	1.65 ± 0.02	106 ± 1	0.596 ± 0.005
16	28	1.571	4.27 ± 0.03	1.86 ± 0.09	125 ± 6	0.565 ± 0.021
17	28	1.571	4.52 ± 0.01	1.96 ± 0.02	140 ± 1	0.566 ± 0.003
18	24	1.586	4.66 ± 0.01	2.00 ± 0.02	148 ± 1	0.572 ± 0.004
19	19	1.596	4.71 ± 0.01	2.04 ± 0.04	153 ± 3	0.566 ± 0.008