

Table I
SUMMARY OF SHOCK-WAVE EXPERIMENTS

SRI Shot No.	Initial Conditions			Shock Measurements		Calculated Shocked States		
	Initial Temp. (°C)	Specific Volume (cc/g)	Specific Energies (joules/g; ref. 0 at 25°C)	Shock Velocity ^a (mm/μsec)	Particle Velocity (mm/μsec)	Pressure ^b (kbar)	Specific Volume ^b (cc/g)	Specific Energy ^b (joules/g)
12,326	-32	0.983	-92	6.72 ± 0.02 ^c	3.18 ± 0.02	216 ± 2 ^c	0.518 ± 0.005 ^c	4952 ± 70 ^c
11,939	-20	0.994	-71	6.91 ± 0.07	3.46 ± 0.03	240 ± 5	0.497 ± 0.009	5887 ± 84
12,228	-20	0.994	-71	4.87 ± 0.05	1.87 ± 0.03	91 ± 2	0.611 ± 0.014	1684 ± 44
12,496	-10	1.004	-55	7.11 ± 0.04	3.11 ± 0.01	256 ± 2	0.494 ± 0.004	6474 ± 39
11,939	158	1.178	218	6.47 ± 0.06	3.56 ± 0.02	195 ± 3	0.530 ± 0.008	6548 ± 89
12,496	158	1.178	218	6.61 ± 0.02	3.72 ± 0.01	208 ± 2	0.516 ± 0.004	7225 ± 55
12,326	159	1.179	220	6.16 ± 0.04	3.28 ± 0.03	171 ± 3	0.550 ± 0.008	5607 ± 160
12,228	256	1.299	399	4.08 ± 0.02	1.94 ± 0.01	61 ± 1	0.679 ± 0.008	2290 ± 30
12,326	279	1.330	445	6.09 ± 0.07	3.31 ± 0.01	152 ± 2 ^c	0.606 ± 0.009 ^c	5927 ± 40 ^c
12,496	296	1.350	481	6.39 ± 0.05	3.91 ± 0.02	184 ± 3 ^c	0.526 ± 0.010 ^c	8095 ± 74 ^c

- a. Errors in shock velocity calculated by summing estimated errors in length and time measurements.
- b. Errors computed with absolute values of estimated errors; see ref. 9.
- c. Points omitted from analysis.