

Data Table

P	V	1/V	PV	% Dev. from PV_{av}
kPa	mL	1/mL	kPa·mL	%
86.9	21.000	0.048	1824.9	0.15%
96.7	19.000	0.053	1837.3	0.83%
106.9	17.000	0.059	1817.3	-0.27%
122.1	15.000	0.067	1831.5	0.51%
140.6	13.000	0.077	1827.8	0.31%
163.1	11.000	0.091	1794.1	-1.54%
Sum			10932.9	
Average			1822.15	

Initial room temperature: 23° °CFinal room temperature: 23° °C