

Name _____ Section _____

Partner _____

CHM 111 Molar Mass and Chemical Formula of a Volatile Liquid

Lab Report Form

Unknown number _____

For all report forms, attach a neat example of each calculation on a separate sheet of paper. Include units and apply significant figure rules correctly.

	Trial 1	Trial 2
Mass of vapor (g)	_____	_____
Volume of flask (L)	_____	_____
Temp. of boiling water (°C)	_____	_____
Barometric Pressure (atm)	_____	_____
Molar Mass	_____	_____
Average Molar Mass (1)	_____	_____

Elemental Analysis (list data copied down in lab):

Empirical Formula:

Molecular Formula:

Molar mass based on molecular formula (2) _____

Explain the different meanings of Molar Mass (1) and (2).