

Enthalpy of Formation of Camphor By Bomb Calorimetry Name _____

Run	weight (g)	n (moles)	ΔT	Q_{ignition} (J)	Q_{cal} (J)	C_{cal} (J/K)	Q_{cam} (J)	$\Delta_c U$ (kJ/mol)
benzoic 1								
benzoic 2								
camphor 1								
camphor 2								

C_{cal} (average value) _____ \pm _____ J/K

$\Delta_c U_{\text{cam}}$ (average value) _____ \pm _____ kJ/mol

$\Delta_c n_{\text{gas}}$ _____ mol T _____ K

$\Delta n_{\text{gas}} R T$ _____ kJ/mol

$\Delta_c H_{\text{cam}}$ _____ \pm _____ kJ/mol (enthalpy of combustion)

$\Delta_f H_{\text{cam}}$ _____ \pm _____ kJ/mol (enthalpy of formation)