

TABLE VIII

VALUES OF $-\Delta G^{\circ}_{\text{obs}}$ (kcal/mole) AT 25 °C FOR VARIOUS IONIC STRENGTHS, pH AND $[\text{Mg}^{2+}]$ CONCENTRATIONSIn parentheses are given the $-\Delta G^{\circ}_{\text{obs}}$ values in kJ.

<i>pH</i>	<i>I</i>	$[\text{Mg}^{2+}]$ (mM)				
		0	1.0	10.0	25.0	50.0
6.00	0.00	7.59 (31.77)				
6.00	0.10	7.25 (30.33)	6.58 (27.53)	6.17 (25.82)	6.18 (25.85)	
6.00	0.15	7.30 (30.54)	6.64 (27.76)	6.23 (26.05)	6.23 (26.05)	6.30 (26.34)
6.00	0.20	7.37 (30.86)	6.69 (27.97)	6.29 (26.32)	6.30 (26.34)	6.38 (26.08)
6.50	0.00	7.71 (32.27)				
6.50	0.10	7.44 (31.12)	6.51 (27.25)	6.31 (26.39)	6.42 (26.87)	
6.50	0.15	7.49 (31.33)	6.57 (27.49)	6.36 (26.60)	6.46 (27.02)	6.62 (27.69)
6.50	0.20	7.56 (31.62)	6.62 (27.70)	6.43 (26.91)	6.54 (27.38)	6.71 (28.09)
7.00	0.00	8.01 (33.51)				
7.00	0.10	7.82 (32.72)	6.69 (28.00)	6.66 (27.88)	6.87 (28.74)	
7.00	0.15	7.87 (32.91)	6.75 (28.25)	6.71 (28.06)	6.90 (28.85)	7.13 (29.82)
7.00	0.20	7.93 (33.17)	6.80 (28.46)	6.79 (28.40)	6.99 (29.25)	7.23 (30.26)
7.50	0.00	8.55 (35.77)				
7.50	0.10	8.38 (35.05)	7.12 (29.80)	7.20 (30.12)	7.46 (31.20)	
7.50	0.15	8.42 (35.23)	7.18 (30.06)	7.24 (30.28)	7.48 (31.28)	7.74 (32.40)
7.50	0.20	8.48 (35.48)	7.23 (30.27)	7.32 (30.04)	7.58 (31.70)	7.85 (32.85)
8.00	0.00	9.24 (38.67)				
8.00	0.10	9.02 (37.74)	7.71 (32.24)	7.83 (32.74)	8.11 (33.91)	
8.00	0.15	9.06 (37.90)	7.77 (32.51)	7.86 (32.90)	8.12 (33.99)	8.40 (35.16)
8.00	0.20	9.12 (38.16)	7.82 (32.71)	7.95 (33.26)	8.22 (34.41)	8.51 (35.62)
8.50	0.00	9.96 (41.67)				
8.50	0.10	9.69 (40.54)	8.35 (34.96)	8.49 (35.52)	8.78 (36.72)	
8.50	0.15	9.73 (40.70)	8.42 (35.22)	8.53 (35.68)	8.80 (36.82)	9.09 (38.03)
8.50	0.20	9.79 (40.96)	8.47 (35.42)	8.61 (36.04)	8.90 (37.22)	9.19 (38.45)
9.00	0.00	10.66 (44.59)				
9.00	0.10	10.37 (43.38)	9.03 (37.76)	9.17 (38.36)	9.46 (39.56)	
9.00	0.15	10.41 (43.54)	9.09 (38.03)	9.20 (38.50)	9.47 (39.63)	9.76 (40.85)
9.00	0.20	10.47 (43.80)	9.14 (38.23)	9.29 (38.87)	9.58 (40.06)	9.87 (41.31)