

Temperature/ °C	Equation No. & Standard Gibbs free energy transformation (kJ /mol)					
	(1)	(2)	(3)	(4)	(5)	(6)
0	-60.43834	-152.47912	-300.75057	-276.71877	-368.75955	-517.03099
10	-59.90271	-152.79032	-301.59891	-275.16243	-368.05005	-516.85864
20	-59.46113	-153.36944	-302.97993	-273.89973	-367.80804	-517.41853
30	-59.10234	-154.1741	-304.81788	-272.88816	-367.95992	-518.6037
40	-58.81988	-155.17977	-307.06805	-272.10057	-368.46046	-520.34873
50	-58.61014	-156.37249	-309.7041	-271.51896	-369.28131	-522.61292

