	$\Delta G^o_{+\mathrm{W}}$		$\Delta G^o_{+\mathrm{A}}$		$\Delta G^o_{+\mathrm{S}}$	
	QC	Experimental	QC	Experimental	QC	Experimental
$H^+W_1S_1$					−28.59	−24.65[f]
$H^+W_2S_1$	−15.66				−15.33	−13.76[f]
$H^+W_3S_1$	−9.40				−10.12	−11.93[f]
$H^+W_4S_1$	−7.83				−9.18	−9.71[f]
$H^+W_5S_1$	−6.77	−5.79[a]			−9.52	−9.82[f]
$H^+W_6S_1$	−5.32	−4.24[a]			−9.70	−9.94[f]
$H^+W_7S_1$	−3.18	−3.28[a]			−9.64	−9.96[f]
$H^+W_8S_1$	−2.80	−2.67[a]			−9.84	−10.10[f]
$H^+W_9S_1$	−2.30	−2.12[a]			−10.24	−10.86[f]
$H^+A_1W_1$	−13.47	−13.01[b], −11.43[c]	−52.08			
$H^+A_1W_2$	−9.85	−7.14[b], −8.17[c]	−33.02			
$H^+A_1W_3$	−6.60	−5.92[b], −5.88[c]	−25.01			
$H^+A_1W_4$	−3.50	−3.94[b], −4.06[c]	−19.73			
$H^+A_1W_5$	−2.50	−2.55[b],−3.02[c]	−15.80			
$H^+A_1W_6$	−2.26	−2.54[b]	−12.93			
$H^+A_1W_7$	−1.15	−1.84[b]	−10.84			
$H^+A_1W_8$	−1.02		−9.26			
$H^+A_1W_9$	0.25		−8.32			
H^+A_2			−22.97	−18.25[c]		
$H^+A_2W_1$	−7.04	−6.85[c]	−16.53	−11.54[c], −12.75[d]		
$H^+A_2W_2$	−4.29	−5.25[c]	−10.97	−9.13[c], −9.50[d]		
$H^+A_2W_3$	−3.41	−3.70[c]	−7.78	−6.83[c], −7.02[d]		
$H^+A_2W_4$	−3.08		−7.36			
$H^+A_2W_5$	−1.97		−6.82			
$H^+A_2W_6$	−0.42		−4.99			
$H^+A_1W_1S_1$	−8.99		−33.14		−9.65	−8.3[d]
$H^+A_1W_2S_1$	−8.11		−25.59		−7.90	−7.1[d]
$H^+A_1W_3S_1$	−6.09		−22.28		−7.40	−6.7[d]
$H^+A_1W_4S_1$	−4.25		−18.71		−8.15	−6.9[d]
$H^+A_1W_5S_1$	−1.92		−13.85		−7.56	−7.5[d]
$H^+A_1W_6S_1$	−2.04		−10.57		−7.34	−8.0[d]
$H^+A_2W_0S_1$			−22.09	−22.14[e]	−13.35	−16.8[d]
$H^+A_2W_1S_1$	−5.72		−18.92		−12.03	−15.8[d]
$H^+A_2W_2S_1$	−4.97		−15.78		−12.71	−15.9[d]
$H^+A_2W_3S_1$	−4.58		−14.27		−13.89	−16.3[d]
$H^+A_2W_4S_1$	−4.26		−14.27		−15.06	−17.3[d]
$H^+A_2W_5S_1$	−2.01		−14.37		−15.11	−18.8[d]
$H^+A_2W_6S_1$	−1.29		−13.63		−15.98	−19.9[d]