## FCI quality energy for an (8e,957o) active space of H<sub>2</sub>O in a cc-pV9Z basis set

## I. INTRODUCTION

	Table I.		
	cc-pV2Z	cc-pV3Z	cc-pV4Z cc-pV5Z cc-pV6Z cc-pV7Z cc-pV8Z cc-pV9Z CBS
RHF	-76.026 77 88	-76.057 139 16	-76.064 804 29
CCSD	-76.237 998 10	-76.324 545 75	-76.350 800 61
CCSD(T)	-76.241 033 59	-76.332 192 23	-76.359 793 96
CCSDT	-76.241 195 72	-76.332 268 49	-76.359 807 24
CCSDT(Q)	-76.241 679 91	-76.332 623 49	-76.360 217 39
CCSDTQ	-76.241 650 58	-76.332 587 70	-76.360 183 01
CCSDTQ(P)	-76.241 665 00	-76.332 602 77	-76.360 189 48
CCSDTQP	-76.241 665 92	-76.332 606 22	-76.360 198 47
CCSDTQP(H)	-76.241 667 98	-76.332 606 77	-76.360 199 02
CCSDTQPH	-76.241 668 32	-76.332 606 94	-76.360 199 19
CCSDTQPH(S)	-76.241 668 38	-76.332 606 99(10)	-76.360 199 24
CCSDTQPHS	-76.241 668 43	-76.332 607 05(10)	-76.360 199 29
CCSDTQPHS(O	) -76.241 668 43	-76.332 607 05(01)	-76.360 199 30
CCSDTQPHSO	-76.241 668 45	-76.332 607 07(10)	-76.360 199 31
	1	red are from $CC(N)$ - $CC(N-1)$ in 22	<b>7</b> ,
		a	

 $<sup>^{\</sup>rm a}$  Uncertainties are just 1 in the next order of magnitude since differences can get larger in 3Z compared to 2Z but never by more than 10x