Method	R_1	R_2	R_3	R_4	ΔR_1	ΔR_2	ΔR_3	ΔR_4	RMS(R)	A_1	A_2	A_3	ΔA_1	ΔA_2	ΔA_3	RMS(A)
RHF(1)(2)	1.672	1.615	2.361	1.486	0.023	0.027	-0.005	0.034	**0.025**	97.79	128.29	129.73	1.67	-2.05	-0.32	**1.54**
MP2(1)(2)	1.704	1.653	2.359	1.533	-0.009	-0.012	-0.003	-0.012	**0.010**	100.39	125.31	129.52	-0.93	0.94	-0.10	**0.76**
QCISD(1)(2)	**1.695**	**1.642**	**2.356**	**1.521**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**99.46**	**126.24**	**129.41**	**0.00**	**0.00**	**0.00**	**0.00**
B3LYP(1)(3)	1.703	1.647	2.365	1.520	-0.008	-0.006	-0.009	0.000	**0.007**	99.52	126.14	129.25	-0.06	0.11	0.16	**0.12**
MNDO (4)	1.644	1.643	2.131	1.494	0.051	-0.002	0.225	0.027	**0.116**	92.16	129.80	117.82	7.30	-3.55	11.59	**8.17**
AM1 (4)	1.718	1.731	2.456	1.586	-0.023	-0.089	-0.100	-0.066	**0.076**	86.41	138.52	122.00	13.05	-12.28	7.41	**11.19**
PM3 (4)	1.649	1.660	2.468	1.515	0.046	-0.018	-0.112	0.006	**0.061**	102.99	126.56	121.72	-3.53	-0.32	7.69	**4.89**
PDDG/PM3 (5)	1.632	1.636	2.273	1.480	0.063	0.005	0.083	0.040	**0.056**	86.34	137.49	131.27	13.12	-11.24	-1.85	**10.03**
MNDOD (6)	1.760	1.714	2.353	1.531	-0.065	-0.073	0.003	-0.010	**0.049**	98.16	125.78	129.02	1.30	0.47	0.39	**0.83**
SAM1 (7)	1.623	1.618	2.468	1.525	0.072	0.023	-0.112	-0.005	**0.067**	98.19	131.16	124.82	1.27	-4.91	4.59	**3.95**
MSINDO (8)	1.662	1.635	2.346	1.512	0.033	0.007	0.010	0.009	**0.018**	108.36	119.67	125.25	-8.90	6.57	4.16	**6.82**
PM5 (9)	1.742	1.741	2.265	1.596	-0.047	-0.099	0.091	-0.075	**0.081**	97.38	125.50	117.43	2.08	0.74	11.98	**7.04**
MINDO/3 (10)	1.644	1.674	2.405	1.508	0.051	-0.032	-0.049	0.012	**0.039**	100.39	127.73	124.75	-0.93	-1.48	4.66	**2.88**

(1) Basis set: aug-CC-pV*T*Z
(2) MOLPRO 2002.6
(3) GAUSSIAN 03 C.02
(4) MOPAC 6
(5) Modified MOPAC 6 http://zarbi.chem.yale.edu/doc/pddg/
(6) MOPAC 97
(7) AMPAC 8.15.9
(8) MSINDO 3.1
(9) MOPAC 2002 2.5.0
(10) ViewMol3D 4.34, Si-O parameters from Edwards and Fowler (1985)