

Supporting Information for

Physical Nature of Substituent Effects in XH/ π Interactions

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Table S1: Linear Fit Parameters for B97-D vs CCSD(T)

X	slope	intercept	R ²
BH ₂	1.04	−0.04	0.71
CH ₃	1.21	−0.05	0.86
NH ₂	1.07	−0.10	0.94
OH	1.04	−0.10	0.98
F	1.09	−0.15	0.99

Table S2: Linear Fit Parameters for SAPT0 Total Energies vs CCSD(T)

X	slope	intercept	R ²
BH ₂	1.27	0.02	0.94
CH ₃	1.37	−0.01	0.98
NH ₂	1.18	0.01	0.99
OH	1.15	0.03	1.00
F	1.16	0.04	1.00

Table S3: Correlations between pairs of parameters: Hammett constants (σ_m), molar refractivity (MR), and interaction distance (r).

X	MR,r	σ_m ,MR	σ_m ,r
BH ₂	0.26	0.02	0.33
CH ₃	0.32	0.02	0.31
NH ₂	0.16	0.02	0.55
OH	0.12	0.02	0.73
F	0.07	0.02	0.81

Table S4: Hammett Constants and Molar Refractivities by Aryl Substituent

Y	MR	σ_m
H	1.03	0
CCH	9.55	0.21
CF ₃	5.02	0.43
CH ₂ OH	7.19	0
CH ₃	5.65	−0.07
CHO	6.88	0.35
CN	6.33	0.56
COCH ₃	11.18	0.38
COOCH ₃	12.87	0.37
COOH	6.93	0.37
F	0.92	0.34
N(CH ₃) ₂	15.55	−0.15
NH ₂	5.42	−0.16
NHCH ₃	10.33	−0.3
NHOH	7.22	−0.04
NO ₂	7.36	0.71
NO	5.2	0.62
OCF ₃	7.86	0.38
OH	2.85	0.12
OCH ₃	7.87	0.12
SCH ₃	13.82	0.15
SH	9.22	0.25

Table S5: Interaction energies (kcal mol⁻¹), components of SAPT0 interaction energies (kcal mol⁻¹), and optimized interaction distances (Å) for BH₃···C₆H₅Y dimers.

Y	Electronic	Exchange	Induction	Dispersion	SAPT0 AVDZ	CCSD(T) AVTZ	B97-D TZV(2d,2p)	r
H	-0.720	2.451	-0.310	-2.644	-1.223	-0.973	-1.010	3.910
CCH	-0.819	2.496	-0.274	-2.799	-1.397	-1.098	-1.141	3.901
CF ₃	-0.853	2.527	-0.241	-2.776	-1.344	-1.101	-1.256	3.899
CH ₂ OH	-0.783	2.568	-0.335	-2.834	-1.384	-1.102	-1.205	3.893
CH ₃	-0.764	2.529	-0.333	-2.800	-1.367	-1.086	-1.186	3.889
CHO	-0.891	2.487	-0.248	-2.744	-1.397	-1.122	-1.172	3.906
CN	-0.826	2.345	-0.215	-2.659	-1.355	-1.102	-1.120	3.924
COCH ₃	-0.711	2.483	-0.261	-2.792	-1.281	-1.030	-1.088	3.907
COOCH ₃	-0.867	2.549	-0.269	-2.822	-1.409	-1.133	-1.207	3.896
COOH	-0.776	2.465	-0.247	-2.744	-1.302	-1.056	-1.113	3.908
F	-0.826	2.509	-0.266	-2.658	-1.241	-1.011	-1.125	3.899
N(CH ₃) ₂	-0.836	2.783	-0.395	-3.012	-1.460	-1.161	-1.297	3.864
NH ₂	-0.736	2.299	-0.321	-2.648	-1.407	-1.147	-1.228	3.927
NHCH ₃	-0.841	2.663	-0.373	-2.893	-1.444	-1.157	-1.271	3.877
NHOH	-0.725	2.528	-0.321	-2.800	-1.318	-1.058	-1.157	3.893
NO ₂	-0.864	2.399	-0.212	-2.681	-1.358	-1.113	-1.133	3.917
NO	-0.733	2.120	-0.202	-2.520	-1.335	-1.095	-1.119	3.959
OCF ₃	-0.821	2.517	-0.252	-2.774	-1.330	-1.100	-1.222	3.898
OH	-0.676	2.382	-0.295	-2.646	-1.236	-1.004	-1.106	3.918
OCH ₃	-0.871	2.629	-0.337	-2.844	-1.423	-1.153	-1.250	3.886
SCH ₃	-0.890	2.558	-0.307	-2.899	-1.537	-1.231	-1.301	3.890
SH	-0.878	2.515	-0.285	-2.823	-1.470	-1.180	-1.230	3.896

Table S6: Interaction energies (kcal mol⁻¹), components of SAPT0 interaction energies (kcal mol⁻¹), and optimized interaction distances (Å) for CH₄···C₆H₅Y dimers.

Y	Electronic	Exchange	Induction	Dispersion	SAPT0 AVDZ	CCSD(T) AVTZ	B97-D TZV(2d,2p)	r
H	-0.961	2.387	-0.298	-2.875	-1.747	-1.379	-1.537	3.735
CCH	-1.012	2.657	-0.290	-3.191	-1.837	-1.413	-1.585	3.694
CF ₃	-1.011	2.698	-0.255	-3.172	-1.740	-1.375	-1.678	3.690
CH ₂ OH	-1.162	2.894	-0.366	-3.312	-1.947	-1.501	-1.759	3.670
CH ₃	-1.115	2.727	-0.350	-3.195	-1.934	-1.499	-1.718	3.691
CHO	-0.997	2.650	-0.261	-3.128	-1.736	-1.356	-1.524	3.698
CN	-0.948	2.555	-0.234	-3.073	-1.699	-1.332	-1.500	3.706
COCH ₃	-1.061	2.730	-0.284	-3.235	-1.850	-1.442	-1.640	3.688
COOCH ₃	-1.024	2.685	-0.279	-3.191	-1.809	-1.417	-1.631	3.692
COOH	-1.005	2.652	-0.264	-3.146	-1.763	-1.383	-1.580	3.696
F	-1.030	2.678	-0.280	-3.030	-1.661	-1.313	-1.538	3.691
N(CH ₃) ₂	-1.211	3.035	-0.415	-3.453	-2.044	-1.596	-1.859	3.655
NH ₂	-1.109	2.782	-0.368	-3.206	-1.900	-1.489	-1.731	3.679
NHCH ₃	-1.172	2.928	-0.397	-3.343	-1.983	-1.551	-1.789	3.663
NHOH	-1.113	2.813	-0.349	-3.253	-1.902	-1.487	-1.715	3.674
NO ₂	-0.926	2.550	-0.226	-3.065	-1.666	-1.331	-1.493	3.706
NO	-0.953	2.572	-0.242	-3.066	-1.688	-1.319	-1.453	3.706
OCF ₃	-1.035	2.732	-0.270	-3.185	-1.757	-1.397	-1.661	3.685
OH	-1.090	2.724	-0.327	-3.115	-1.808	-1.428	-1.649	3.688
OCH ₃	-1.144	2.853	-0.353	-3.256	-1.901	-1.495	-1.720	3.676
SCH ₃	-1.067	2.767	-0.325	-3.331	-1.957	-1.527	-1.736	3.680
SH	-1.056	2.711	-0.305	-3.248	-1.898	-1.484	-1.676	3.685

Table S7: Interaction energies (kcal mol⁻¹), components of SAPT0 interaction energies (kcal mol⁻¹), and optimized interaction distances (Å) for NH₃···C₆H₅Y dimers.

Y	Electronic	Exchange	Induction	Dispersion	SAPT0 AVDZ	CCSD(T) AVTZ	B97-D TZV(2d,2p)	r
H	-2.051	3.404	-0.595	-3.322	-2.563	-2.077	-2.807	3.473
CCH	-1.975	3.433	-0.567	-3.533	-2.642	-2.105	-2.865	3.461
CF ₃	-1.704	3.396	-0.512	-3.463	-2.283	-1.851	-2.770	3.466
CH ₂ OH	-2.254	3.805	-0.673	-3.694	-2.815	-2.289	-3.173	3.434
CH ₃	-2.177	3.658	-0.653	-3.586	-2.758	-2.227	-3.047	3.449
CHO	-1.748	3.322	-0.517	-3.419	-2.363	-1.920	-2.683	3.474
CN	-1.575	3.185	-0.479	-3.353	-2.221	-1.781	-2.548	3.482
COCH ₃	-1.877	3.521	-0.561	-3.582	-2.498	-2.034	-2.854	3.456
COOCH ₃	-1.944	3.522	-0.560	-3.565	-2.548	-2.081	-2.890	3.454
COOH	-1.887	3.557	-0.550	-3.555	-2.435	-1.982	-2.824	3.450
F	-1.876	3.455	-0.550	-3.348	-2.320	-1.894	-2.722	3.460
N(CH ₃) ₂	-2.485	3.976	-0.745	-3.813	-3.067	-2.544	-3.501	3.422
NH ₂	-2.405	3.865	-0.694	-3.666	-2.900	-2.372	-3.238	3.426
NHCH ₃	-2.211	3.680	-0.688	-3.611	-2.830	-2.335	-3.214	3.445
NHOH	-2.189	3.663	-0.646	-3.605	-2.778	-2.276	-3.111	3.441
NO ₂	-1.533	3.270	-0.479	-3.399	-2.142	-1.766	-2.596	3.471
NO	-1.694	3.320	-0.505	-3.406	-2.285	-1.836	-2.638	3.470
OCF ₃	-1.830	3.470	-0.538	-3.500	-2.398	-1.968	-2.857	3.458
OH	-2.075	3.609	-0.619	-3.481	-2.566	-2.113	-2.925	3.450
OCH ₃	-2.154	3.723	-0.650	-3.615	-2.696	-2.222	-3.063	3.443
SCH ₃	-2.078	3.592	-0.619	-3.697	-2.802	-2.273	-3.074	3.447
SH	-2.059	3.520	-0.590	-3.595	-2.725	-2.211	-2.964	3.452

Table S8: Interaction energies (kcal mol⁻¹), components of SAPT0 interaction energies (kcal mol⁻¹), and optimized interaction distances (Å) for OH₂...C₆H₅Y dimers.

Y	Electronic	Exchange	Induction	Dispersion	SAPT0 AVDZ	CCSD(T) AVTZ	B97-D TZV(2d,2p)	r
H	-2.939	3.778	-1.047	-3.177	-3.386	-2.863	-4.093	3.299
CCH	-2.719	3.703	-1.013	-3.319	-3.348	-2.795	-4.052	3.297
CF ₃	-2.167	3.664	-0.948	-3.269	-2.720	-2.310	-3.763	3.300
CH ₂ OH	-3.464	4.010	-1.129	-3.417	-4.000	-3.378	-4.744	3.279
CH ₃	-3.021	3.923	-1.112	-3.362	-3.572	-3.016	-4.311	3.288
CHO	-2.402	3.674	-0.966	-3.253	-2.946	-2.479	-3.674	3.301
CN	-1.922	3.482	-0.904	-3.175	-2.520	-2.114	-3.374	3.312
COCH ₃	-2.753	3.785	-1.012	-3.346	-3.327	-2.812	-4.070	3.293
COOCH ₃	-2.516	3.724	-0.997	-3.309	-3.098	-2.653	-3.976	3.297
COOH	-2.329	3.676	-0.970	-3.268	-2.891	-2.466	-3.778	3.300
F	-2.462	3.633	-0.972	-3.121	-2.922	-2.497	-3.830	3.304
N(CH ₃) ₂	-3.494	3.997	-1.181	-3.451	-4.128	-3.589	-5.019	3.283
NH ₂	-3.355	3.854	-1.110	-3.321	-3.932	-3.385	-4.732	3.288
NHCH ₃	-3.291	3.935	-1.150	-3.372	-3.878	-3.352	-4.762	3.286
NHOH	-3.037	3.819	-1.088	-3.341	-3.647	-3.137	-4.491	3.288
NO ₂	-1.554	3.414	-0.878	-3.144	-2.163	-1.889	-3.189	3.317
NO	-1.999	3.475	-0.912	-3.156	-2.592	-2.152	-3.353	3.315
OCF ₃	-2.304	3.684	-0.975	-3.269	-2.865	-2.448	-3.866	3.298
OH	-3.072	3.851	-1.068	-3.258	-3.546	-3.044	-4.406	3.291
OCH ₃	-3.240	3.920	-1.106	-3.345	-3.771	-3.235	-4.592	3.288
SCH ₃	-2.479	3.769	-1.064	-3.394	-3.167	-2.716	-4.062	3.293
SH	-2.890	3.772	-1.043	-3.366	-3.527	-2.990	-4.266	3.290

Table S9: Interaction energies (kcal mol⁻¹), components of SAPT0 interaction energies (kcal mol⁻¹), and optimized interaction distances (Å) for FH...C₆H₅Y dimers.

Y	Electronic	Exchange	Induction	Dispersion	SAPT0 AVDZ	CCSD(T) AVTZ	B97-D TZV(2d,2p)	r
H	-3.905	3.721	-1.852	-2.674	-4.711	-4.122	-5.978	3.159
CCH	-2.961	3.555	-1.821	-2.735	-3.962	-3.480	-5.334	3.165
CF ₃	-2.149	3.473	-1.715	-2.684	-3.073	-2.699	-4.786	3.171
CH ₂ OH	-4.193	3.905	-1.967	-2.846	-5.102	-4.423	-6.444	3.144
CH ₃	-4.307	3.985	-1.988	-2.857	-5.168	-4.492	-6.438	3.140
CHO	-2.394	3.469	-1.742	-2.668	-3.335	-2.970	-4.710	3.173
CN	-1.648	3.329	-1.673	-2.620	-2.611	-2.332	-4.162	3.181
COCH ₃	-2.858	3.682	-1.834	-2.782	-3.792	-3.366	-5.194	3.157
COOCH ₃	-2.777	3.556	-1.792	-2.726	-3.738	-3.357	-5.279	3.166
COOH	-2.488	3.505	-1.756	-2.692	-3.432	-3.082	-5.012	3.170
F	-2.839	3.548	-1.757	-2.616	-3.665	-3.262	-5.249	3.167
N(CH ₃) ₂	-4.594	4.022	-2.065	-2.932	-5.569	-4.996	-7.124	3.136
NH ₂	-4.122	3.800	-1.944	-2.777	-5.044	-4.484	-6.580	3.150
NHCH ₃	-4.373	3.879	-1.998	-2.841	-5.333	-4.765	-6.873	3.145
NHOH	-3.863	3.738	-1.913	-2.780	-4.818	-4.244	-6.347	3.152
NO ₂	-1.218	3.292	-1.644	-2.606	-2.176	-2.126	-3.997	3.182
NO	-1.956	3.306	-1.681	-2.598	-2.929	-2.549	-4.162	3.186
OCF ₃	-2.491	3.536	-1.761	-2.697	-3.413	-3.012	-5.088	3.166
OH	-3.735	3.819	-1.905	-2.748	-4.569	-4.060	-6.091	3.150
OCH ₃	-3.998	3.873	-1.951	-2.811	-4.888	-4.336	-6.370	3.148
SCH ₃	-3.556	3.690	-1.900	-2.824	-4.590	-4.065	-6.105	3.155
SH	-3.229	3.601	-1.844	-2.757	-4.229	-3.737	-5.716	3.161

B97-D/TZV(2d,2p) Optimized Geometries:

18

BH3...C6H5CCH

C	-0.8028710	-0.3163750	-0.0040070
C	-0.1185460	-0.4849390	1.2174710
C	-0.1012450	-0.4982620	-1.2137010
C	-2.1870510	0.0336270	-0.0157760
C	1.2332730	-0.8267780	1.2237160
H	-0.6572530	-0.3452730	2.1500430
C	1.2505000	-0.8400430	-1.1969600
H	-0.6266130	-0.3688670	-2.1553210
C	-3.3619430	0.3307090	-0.0257650
C	1.9219010	-1.0053580	0.0191590
H	1.7510450	-0.9542310	2.1709570
H	1.7816910	-0.9778300	-2.1352830
H	-4.3960660	0.5921960	-0.0345570
H	2.9756620	-1.2718110	0.0281190
B	1.5202010	3.1197800	-0.0063060
H	1.2273520	1.9617760	-0.0020440
H	2.2839580	3.5464290	-0.8269110
H	1.0551190	3.8632210	0.8117130

19

BH3...C6H5CF3

C	1.6420730	0.0539270	-0.0081180
C	0.1823060	-0.3413580	0.0011290
F	1.9744370	0.7822860	-1.1087370
F	2.4562950	-1.0447110	-0.0054090
F	1.9848230	0.7954370	1.0803540
C	-0.4959960	-0.5307190	-1.2080990
C	-0.4844610	-0.5162250	1.2189610
C	-1.8433430	-0.8955480	-1.1963380
H	0.0275510	-0.3933410	-2.1486770
C	-1.8318340	-0.8810900	1.2244230
H	0.0480200	-0.3676450	2.1527990
C	-2.5125290	-1.0710840	0.0183340
H	-2.3692700	-1.0423780	-2.1357190
H	-2.3488480	-1.0166750	2.1704160
H	-3.5615660	-1.3551500	0.0250100
B	-2.1835790	3.0576820	-0.0078980
H	-1.8712380	1.9043520	-0.0024940
H	-1.5465430	3.8573200	0.6178060

H -3.1375010

20

BH3...C6H5CH2OH

C	2.0746190	0.0617590	-0.6216080
C	0.6548340	-0.3162110	-0.2543010
O	2.8632640	0.2946600	0.5491930
H	2.0475610	0.9646700	-1.2559950
H	2.5116910	-0.7509320	-1.2273560
C	0.2195720	-0.4118280	1.0717600
C	-0.2536380	-0.5792810	-1.2904000
H	3.7494020	0.5294730	0.2545760
C	-1.1047460	-0.7653840	1.3544250
H	0.9169240	-0.2097150	1.8777400
C	-1.5737550	-0.9317200	-1.0088950
H	0.0769300	-0.5071320	-2.3255990
C	-2.0047550	-1.0261490	0.3192240
H	-1.4312180	-0.8364310	2.3892490
H	-2.2654780	-1.1324520	-1.8234110
H	-3.0327200	-1.3005270	0.5422580
B	-1.6934890	3.0852650	-0.0307500
H	-1.3817260	1.9328700	-0.0115120
H	-1.9797450	3.6521680	0.9871070
H	-1.7230790	3.6872970	-1.0680810

19

BH3...C6H5CH3

C	2.4228370	0.8024300	-0.0120450
C	1.1202930	0.0355830	-0.0044780
H	2.5051950	1.4330680	-0.9044650
H	3.2813870	0.1160230	-0.0127130
H	2.5116460	1.4395970	0.8750650
C	0.4964150	-0.3334740	-1.2050330
C	0.5056060	-0.3245420	1.2035480
C	-0.7078370	-1.0424580	-1.2009000
H	0.9607120	-0.0615070	-2.1510750
C	-0.6986000	-1.0334890	1.2139670
H	0.9771560	-0.0455470	2.1439390
C	-1.3102920	-1.3953750	0.0101740
H	-1.1753450	-1.3190750	-2.1429370
H	-1.1588240	-1.3030550	2.1616140
H	-2.2470180	-1.9468550	0.0157770
B	-2.0771410	2.6775530	-0.0020320

H	-1.4713720	1.6486270	-0.0005280
H	-1.5021570	3.7189690	0.1549020
H	-3.2662080	2.6799420	-0.1608190
18			
BH3...C6H5CHO			
C	-0.7543080	-0.2896160	0.1953120
C	-0.2608920	-0.4241720	-1.1144920
C	0.0866180	-0.5440190	1.2892150
C	-2.1580230	0.1193940	0.4450960
C	1.0609480	-0.8095500	-1.3200580
H	-0.9302600	-0.2219660	-1.9460370
C	1.4119000	-0.9303920	1.0820440
H	-0.3068210	-0.4364640	2.2986470
O	-2.9819080	0.3670500	-0.4155130
H	-2.4231260	0.1888250	1.5286400
C	1.8974230	-1.0626750	-0.2228600
H	1.4470380	-0.9149450	-2.3307000
H	2.0636830	-1.1275680	1.9290530
H	2.9291060	-1.3634210	-0.3881920
B	1.6709600	3.0720640	0.0131270
H	1.3352420	1.9251690	0.0044790
H	2.4029580	3.4921160	-0.8385950
H	1.2806440	3.8077130	0.8756310
17			
BH3...C6H5CN			
C	-0.8249120	-0.2916210	-0.0045770
C	-0.1401810	-0.4914800	-1.2179090
C	-0.1588780	-0.4765360	1.2214650
C	-2.2030880	0.1009630	-0.0175450
C	1.2005570	-0.8733710	-1.1980510
H	-0.6629700	-0.3462480	-2.1582380
C	1.1819710	-0.8585150	1.2268400
H	-0.6960040	-0.3198440	2.1518210
N	-3.3214290	0.4195310	-0.0280680
C	1.8623400	-1.0571040	0.0207090
H	1.7295430	-1.0277680	-2.1344530
H	1.6965280	-1.0013790	2.1730610
H	2.9075360	-1.3548360	0.0305440
B	1.5953400	3.0992260	-0.0068000
H	1.2677460	1.9493460	-0.0022660
H	2.3745840	3.4991990	-0.8253260

H	1.1494910	3.8546670	0.8097500
21			
BH3...C6H5COCH3			
C	2.6996470	0.2277040	1.0703800
C	1.8894110	0.0024610	-0.2009880
H	3.7296110	0.4686760	0.7990590
H	2.2683660	1.0465560	1.6605350
H	2.6808290	-0.6699490	1.7017820
C	0.4327470	-0.3441580	-0.0592520
O	2.4129560	0.1018280	-1.3011380
C	-0.3302530	-0.5554360	-1.2218020
C	-0.1902340	-0.4637120	1.1951470
C	-1.6819710	-0.8780540	-1.1307220
H	0.1611500	-0.4605140	-2.1855170
C	-1.5453960	-0.7871510	1.2865320
H	0.3817040	-0.3044410	2.1040060
C	-2.2930210	-0.9947340	0.1240070
H	-2.2635180	-1.0395210	-2.0348330
H	-2.0169040	-0.8770170	2.2617230
H	-3.3483070	-1.2466230	0.1942490
B	-1.8472350	3.1271200	-0.0589380
H	-1.5681090	1.9655090	-0.0310250
H	-2.3253320	3.6554810	0.9059680
H	-1.6525360	3.7701000	-1.0519700
22			
BH3...C6H5COOCH3			
C	3.5871200	0.2900480	0.5271390
O	2.1749740	0.0582700	0.7457980
H	3.7330520	1.1673060	-0.1117420
H	4.0448050	-0.5816100	0.0477790
H	4.0085570	0.4557970	1.5207240
C	1.4492980	-0.1741830	-0.3845130
C	0.0010190	-0.4054810	-0.0899860
O	1.9379200	-0.1886470	-1.4980100
C	-0.8547110	-0.6569880	-1.1750390
C	-0.5242740	-0.3802610	1.2130940
C	-2.2140790	-0.8797920	-0.9611400
H	-0.4350350	-0.6734840	-2.1760640
C	-1.8855410	-0.6038040	1.4226030
H	0.1327700	-0.1864580	2.0538000
C	-2.7324320	-0.8536950	0.3379890

H	-2.8699550	-1.0737480	-1.8058070	H	1.6265620	-2.4168740	0.0634400
H	-2.2862920	-0.5831050	2.4327190	B	2.6628420	2.0866920	-0.0086520
H	-3.7925760	-1.0274550	0.5048130	H	1.8119430	1.2482350	-0.0026970
B	-2.0492310	3.1897830	-0.2238210	H	3.5416440	2.0492410	-0.8237650
H	-1.8404510	2.0185350	-0.1169900	H	2.6451240	2.9706070	0.8016660
H	-1.1580510	3.9778840	-0.0736290	16			
H	-3.1522210	3.5853770	-0.4796780	BH3...C6H5H			
19				C	-0.6258790	0.8635790	-1.1004340
BH3...C6H5COOH				C	-0.6258730	1.3847940	0.1976650
C	-0.4462660	-0.3377190	0.0253600	C	-0.6258810	-0.5212150	-1.2980970
C	-1.8924790	0.0173080	0.1152100	H	-0.6258810	1.5348340	-1.9557950
C	0.2624920	-0.5120000	1.2258390	C	-0.6258700	0.5212150	1.2981000
C	0.2178020	-0.5004630	-1.2024340	H	-0.6258720	2.4611870	0.3513080
O	-2.4847440	0.1629960	-1.1123100	C	-0.6258780	-1.3847930	-0.1976620
O	-2.5109980	0.1689140	1.1505940	H	-0.6258850	-0.9263530	-2.3071020
C	1.6154490	-0.8441470	1.1989270	C	-0.6258720	-0.8635780	1.1004360
H	-0.2649260	-0.3827370	2.1659080	H	-0.6258660	0.9263530	2.3071040
C	1.5724310	-0.8330220	-1.2240920	H	-0.6258790	-2.4611860	-0.3513050
H	-0.3264100	-0.3666420	-2.1311430	H	-0.6258700	-1.5348330	1.9557980
H	-3.4111980	0.3904000	-0.9319170	B	3.2838960	-0.0000040	-0.0000130
C	2.2729660	-1.0052840	-0.0258520	H	2.0896000	-0.0000020	-0.0000090
H	2.1584780	-0.9776790	2.1308490	H	3.8888470	1.0359820	0.0000110
H	2.0821830	-0.9579460	-2.1758010	H	3.8888450	-1.0359780	0.0000070
H	3.3286360	-1.2644480	-0.0462030	24			
B	1.8475710	3.1232180	0.0005080	BH3...C6H5NCH32			
H	1.5626720	1.9627420	0.0002380	C	2.4891450	0.1121780	-1.2617930
H	2.5130450	3.5807750	-0.8861710	N	1.7390160	0.2033800	-0.0160570
H	1.4712200	3.8361320	0.8876770	H	2.5557380	-0.9228230	-1.6397700
16				H	3.5005610	0.4930510	-1.0980810
BH3...C6H5F				H	2.0206730	0.7280350	-2.0393110
C	-1.0791580	0.3284170	-0.0183830	C	2.5027210	0.1874200	1.2246220
C	-0.6227250	-0.1260250	1.2158290	C	0.4154530	-0.2261170	0.0040250
C	-0.5950330	-0.1714550	-1.2241510	H	2.5773330	-0.8239010	1.6621170
F	-2.0334410	1.2966570	-0.0472410	H	2.0403120	0.8464540	1.9696280
C	0.3586600	-1.1218330	1.2355000	H	3.5108640	0.5613250	1.0278940
H	-1.0313610	0.2951620	2.1291040	C	-0.2794640	-0.4195230	1.2240390
C	0.3861240	-1.1668910	-1.1844750	C	-0.2934910	-0.4882700	-1.1949270
H	-0.9826660	0.2152740	-2.1615060	C	-1.6054080	-0.8500580	1.2340750
C	0.8641970	-1.6433590	0.0403850	H	0.2126970	-0.2344710	2.1716710
H	0.7271270	-1.4889920	2.1897550	C	-1.6192970	-0.9182380	-1.1651700
H	0.7759920	-1.5691570	-2.1157970	H	0.1877140	-0.3574580	-2.1571160

C	-2.2929350	-1.1050000	0.0446790
H	-2.1038340	-0.9866010	2.1911570
H	-2.1287310	-1.1087500	-2.1071150
H	-3.3259700	-1.4402240	0.0601640
B	-2.1394750	3.0059090	-0.0730340
H	-1.7708630	1.8713760	-0.0429280
H	-3.0224080	3.3377820	-0.8148790
H	-1.6301600	3.8286490	0.6368310

18

BH3...C6H5NH2

N	-2.1794860	1.1470450	-0.0291010
C	-1.1097030	0.2444810	-0.0110490
H	-2.7399100	1.1154470	-0.8691460
H	-2.7524510	1.1340390	0.8029420
C	-0.5518410	-0.2319710	-1.2120000
C	-0.5700380	-0.2050370	1.2084280
C	0.5140540	-1.1312270	-1.1885870
H	-0.9604350	0.1082440	-2.1617660
C	0.4959400	-1.1044160	1.2210150
H	-0.9927920	0.1561470	2.1441530
C	1.0480400	-1.5759810	0.0253900
H	0.9297290	-1.4864590	-2.1286050
H	0.8974110	-1.4386010	2.1748210
H	1.8781660	-2.2763480	0.0394370
B	2.5031550	2.3335580	-0.0071570
H	1.7326250	1.4203580	-0.0027890
H	3.1745800	2.5567770	-0.9768060
H	2.6149910	3.0381980	0.9580730

21

BH3...C6H5NHCH3

C	3.0162000	0.2947020	0.3455990
N	1.9357280	0.2629610	-0.6279130
H	2.8075050	1.0417740	1.1216800
H	3.1738150	-0.6782060	0.8424400
H	3.9376130	0.5872020	-0.1663510
C	0.6701750	-0.1978200	-0.2826490
H	2.2212370	0.0123300	-1.5621260
C	0.2630020	-0.3399010	1.0594250
C	-0.2483240	-0.5385950	-1.3003200
C	-1.0188740	-0.8068630	1.3618030
H	0.9450760	-0.0865950	1.8645780

C	-1.5214290	-1.0022850	-0.9847670
H	0.0531140	-0.4336470	-2.3413860
C	-1.9215710	-1.1418290	0.3508150
H	-1.3096140	-0.9078900	2.4049630
H	-2.2081960	-1.2572990	-1.7885660
H	-2.9156150	-1.5055500	0.5944810
B	-1.9604160	2.9705170	0.0158050
H	-1.5507920	1.8496750	0.0214200
H	-2.8702210	3.2802290	-0.7019670
H	-1.4670090	3.8002120	0.7277650

19

BH3...C6H5NHOH

N	1.9274820	0.4506380	0.5526040
C	0.6891150	-0.1661270	0.2499070
O	2.9655960	0.1318270	-0.4026480
H	2.2820230	0.1200230	1.4465910
C	-0.1716380	-0.4896610	1.3136220
C	0.2623660	-0.3702230	-1.0703170
H	3.2075190	1.0052680	-0.7369990
C	-1.4474590	-0.9891040	1.0555540
H	0.1620640	-0.3417710	2.3392060
C	-1.0132810	-0.8826180	-1.3144990
H	0.9357550	-0.1416340	-1.8888840
C	-1.8782900	-1.1900690	-0.2602260
H	-2.1021630	-1.2335790	1.8884000
H	-1.3313410	-1.0430750	-2.3418280
H	-2.8697210	-1.5871100	-0.4589970
B	-2.0175630	2.9405890	-0.0922740
H	-1.5807220	1.8297860	-0.0653010
H	-1.3901090	3.8489440	0.3776340
H	-3.0875110	3.1579230	-0.5897510

18

BH3...C6H5NO2

N	-1.9101510	0.0588630	-0.0128450
C	-0.4674950	-0.3258100	0.0001260
O	-2.4542160	0.1952500	-1.1075150
O	-2.4681880	0.2163440	1.0719140
C	0.1944480	-0.5120420	-1.2148920
C	0.1787940	-0.4884090	1.2269080
C	1.5423970	-0.8713970	-1.1946430
H	-0.3443700	-0.3757450	-2.1452870

C	1.5268470	-0.8479220	1.2309000
H	-0.3718910	-0.3341970	2.1475060
C	2.2085190	-1.0393490	0.0241880
H	2.0716890	-1.0200330	-2.1315840
H	2.0440660	-0.9783300	2.1772510
H	3.2585340	-1.3193280	0.0336290
B	1.8732360	3.1034480	-0.0180570
H	1.5651020	1.9481510	-0.0088510
H	2.6428900	3.5135030	-0.8406850
H	1.4170240	3.8535130	0.7975040

17

BH3...C6H5NO

C	0.7827240	-0.2584080	-0.2116850
C	-0.0516490	-0.5524420	-1.2987070
C	0.3276140	-0.4010790	1.1103910
N	2.1150110	0.1917210	-0.5704840
C	-1.3548020	-0.9938290	-1.0669780
H	0.3417780	-0.4278400	-2.3045510
C	-0.9715190	-0.8411750	1.3338740
H	1.0045350	-0.1631440	1.9260100
O	2.8529190	0.4515380	0.3668050
C	-1.8120120	-1.1372890	0.2471420
H	-2.0117120	-1.2251230	-1.9009600
H	-1.3416840	-0.9577710	2.3493430
H	-2.8268540	-1.4809910	0.4311530
B	-1.7887400	3.0501180	-0.0156510
H	-1.4035490	1.9183760	-0.0051840
H	-2.2664950	3.5317230	0.9727680
H	-1.7028890	3.7051590	-1.0156000

20

BH3...C6H5OCF3

C	-2.0618520	0.0470020	0.0305570
O	-1.0073140	-0.1539320	0.8594450
F	-3.1386690	0.2592660	0.8022970
F	-1.9021040	1.1261990	-0.7807100
F	-2.3185210	-1.0204570	-0.7713110
C	0.2849290	-0.4067800	0.3630170
C	1.2434060	-0.5883360	1.3617590
C	0.6236160	-0.4784010	-0.9892570
C	2.5654690	-0.8463770	1.0005650
H	0.9433390	-0.5255690	2.4031670

C	1.9550280	-0.7381710	-1.3314900
H	-0.1186420	-0.3378090	-1.7645520
C	2.9279910	-0.9226040	-0.3477870
H	3.3116070	-0.9877130	1.7777040
H	2.2238360	-0.7949190	-2.3827980
H	3.9579540	-1.1236260	-0.6278930
B	2.3424550	3.1635830	-0.0072880
H	2.1149290	1.9906730	-0.0021530
H	1.5032280	3.9414330	0.3497110
H	3.4121030	3.5679960	-0.3689660

17

BH3...C6H5OH

C	-1.1087050	0.2720180	0.0082050
C	-0.5872820	-0.1917490	1.2233950
C	-0.5902450	-0.2021190	-1.2044910
O	-2.1279810	1.1916630	0.0663100
C	0.4486200	-1.1261210	1.2154300
H	-1.0005970	0.1860370	2.1540890
C	0.4475450	-1.1381160	-1.1981650
H	-0.9992110	0.1616880	-2.1462200
H	-2.3888640	1.4221280	-0.8342220
C	0.9728290	-1.6054090	0.0091660
H	0.8492950	-1.4824270	2.1612450
H	0.8435110	-1.5003350	-2.1436660
H	1.7794360	-2.3329130	0.0114960
B	2.5542030	2.2437280	-0.0067030
H	1.7541210	1.3566670	-0.0019380
H	3.4218490	2.2714560	-0.8349400
H	2.4967230	3.1147390	0.8159480

20

BH3...C6H5OCH3

C	2.9017240	0.3216990	0.3106410
O	1.9308670	0.0307910	-0.6965320
H	3.8231950	0.5654110	-0.2240270
H	2.5895100	1.1785990	0.9256880
H	3.0679650	-0.5480970	0.9632180
C	0.6712990	-0.3091170	-0.2774490
C	-0.2549460	-0.5879410	-1.2973600
C	0.2734900	-0.3901490	1.0659060
C	-1.5611710	-0.9428330	-0.9728590
H	0.0708180	-0.5201530	-2.3315690

C	-1.0447550	-0.7487230	1.3742660	H	-0.5847230	-0.3070990	2.1523490
H	0.9720960	-0.1791390	1.8679240	H	-2.6425490	0.3222060	1.2367520
C	-1.9672440	-1.0262540	0.3659460	C	1.9559470	-1.0953270	0.0202740
H	-2.2683040	-1.1561180	-1.7708200	H	1.8098230	-1.0578560	-2.1340990
H	-1.3437210	-0.8088780	2.4180380	H	1.7755700	-1.0324610	2.1714430
H	-2.9877140	-1.3036100	0.6147780	H	2.9944280	-1.4144660	0.0304070
B	-1.6845450	3.0760950	-0.0382920	B	1.7580940	3.0408640	-0.0059380
H	-1.3658270	1.9258730	-0.0132920	H	1.4072740	1.8994160	-0.0019960
H	-1.0202830	3.9010230	0.5259670	H	2.1864320	3.5385440	-1.0097360
H	-2.6723200	3.4182020	-0.6267330	H	1.6871300	3.6989240	0.9945510

20

BH3...C6H5SCH3

C	2.8743630	0.2764010	0.8517220
S	2.0092810	-0.0064020	-0.7319520
H	3.9111620	0.5020690	0.5853910
H	2.4420920	1.1272370	1.3884540
H	2.8458710	-0.6199530	1.4798930
C	0.3383510	-0.3659970	-0.2244380
C	-0.5896090	-0.6340640	-1.2488610
C	-0.0900020	-0.3950710	1.1115660
C	-1.9159810	-0.9242310	-0.9362690
H	-0.2701900	-0.6146430	-2.2882910
C	-1.4243410	-0.6876820	1.4126570
H	0.6036430	-0.1924520	1.9201400
C	-2.3437350	-0.9533260	0.3967060
H	-2.6194010	-1.1288440	-1.7397690
H	-1.7402280	-0.7062330	2.4530990
H	-3.3788410	-1.1799650	0.6369950
B	-1.8790460	3.1253910	-0.1128840
H	-1.6105660	1.9636570	-0.0520850
H	-1.5564610	3.8682310	0.7723250
H	-2.4746100	3.5602030	-1.0590000

17

BH3...C6H5SH

C	-0.7290100	-0.2702050	-0.0057680
C	-0.0437660	-0.4849800	-1.2125430
C	-0.0632790	-0.4706080	1.2126780
S	-2.4352780	0.2539080	-0.0935380
C	1.2902750	-0.8949250	-1.1931090
H	-0.5501870	-0.3326130	-2.1625150
C	1.2716280	-0.8808610	1.2199930

19				H	2.6355050	2.9629580	0.9743060
CH4...C6H5CCH				H	2.9532750	2.8622310	-0.7820650
C	0.8601050	-0.3406860	0.0000040	21			
C	0.1765220	-0.5496690	-1.2156280	CH4...C6H5CH2OH			
C	0.1765160	-0.5496180	1.2156420	C	2.1125690	0.0932080	-0.6253460
C	2.2255310	0.0766960	-0.0000020	C	0.7111100	-0.3451750	-0.2548120
C	-1.1569450	-0.9572810	-1.2103750	O	2.8926560	0.3614170	0.5436320
H	0.7013520	-0.3892600	-2.1527640	H	2.0453850	0.9932940	-1.2607670
C	-1.1569510	-0.9572300	1.2103990	H	2.5831390	-0.7006540	-1.2309650
H	0.7013420	-0.3891690	2.1527740	C	0.2828950	-0.4577680	1.0722110
C	3.3845040	0.4309690	-0.0000070	C	-0.1871360	-0.6485190	-1.2888180
C	-1.8277490	-1.1623050	0.0000150	H	3.7672790	0.6338520	0.2470020
H	-1.6743180	-1.1154510	-2.1531930	C	-1.0244010	-0.8677510	1.3578860
H	-1.6743280	-1.1153600	2.1532210	H	0.9724090	-0.2247270	1.8765840
H	4.4046150	0.7427950	-0.0000110	C	-1.4902840	-1.0572060	-1.0043110
H	-2.8672320	-1.4800530	0.0000190	H	0.1380470	-0.5635130	-2.3247470
C	-1.5678270	2.7794850	-0.0000680	C	-1.9142880	-1.1684260	0.3247590
H	-1.2482390	1.7339830	-0.0000450	H	-1.3455390	-0.9514800	2.3934310
H	-2.0284230	3.0221440	0.9636770	H	-2.1742500	-1.2886360	-1.8172330
H	-0.7002580	3.4281100	-0.1617800	H	-2.9290360	-1.4865990	0.5501300
H	-2.2967390	2.9400870	-0.8017840	C	-1.7139180	2.7398120	-0.0270410
20				H	-1.3831500	1.6978800	-0.0087110
CH4...C6H5CF3				H	-1.4333710	3.2309870	0.9109290
C	-1.6858040	0.0766430	-0.0000460	H	-1.2392860	3.2613470	-0.8655850
C	-0.2440540	-0.3800970	0.0000300	H	-2.8021570	2.7778590	-0.1463000
F	-1.9919850	0.8252240	1.0945840	20			
F	-2.5457870	-0.9865590	-0.0000320	CH4...C6H5CH3			
F	-1.9919510	0.8252240	-1.0945710	C	-2.3408940	1.0933560	-0.0000170
C	0.4201740	-0.5904820	1.2135880	C	-1.1629930	0.1461060	0.0001370
C	0.4201870	-0.5905670	-1.2135430	H	-2.3339870	1.7330020	0.8897620
C	1.7509060	-1.0120530	1.2104310	H	-3.2897230	0.5383900	-0.0000560
H	-0.1013160	-0.4252450	2.1508210	H	-2.3337460	1.7329520	-0.8897920
C	1.7509160	-1.0121360	-1.2104000	C	-0.6029130	-0.3043030	1.2043800
H	-0.1013170	-0.4253870	-2.1507800	C	-0.6030280	-0.3042090	-1.2042350
C	2.4175220	-1.2232740	0.0000350	C	0.4860910	-1.1800640	1.2073870
H	2.2659120	-1.1751730	2.1531700	H	-1.0259920	0.0359300	2.1476620
H	2.2659800	-1.1753380	-2.1530900	C	0.4859570	-1.1799540	-1.2075140
H	3.4536110	-1.5515030	0.0000590	H	-1.0262450	0.0361370	-2.1474130
C	2.2003630	2.7163510	-0.0000930	C	1.0350050	-1.6214910	-0.0001050
H	1.8702100	1.6741900	-0.0000580	H	0.9056480	-1.5174660	2.1521870
H	1.3443800	3.3719430	-0.1922080	H	0.9053570	-1.5172280	-2.1524250

H	1.8820950	-2.3027090	-0.0001560
C	2.2527710	2.1356570	0.0000110
H	1.5676090	1.2836620	0.0000100
H	1.6879450	3.0616200	-0.1553450
H	2.7757060	2.1868590	0.9613240
H	2.9853580	2.0182610	-0.8060200

19

CH4...C6H5CHO

C	0.8127620	-0.3094240	-0.1988500
C	0.3369030	-0.4617780	1.1154940
C	-0.0207110	-0.6172930	-1.2846870
C	2.1900140	0.1743980	-0.4618920
C	-0.9602180	-0.9178100	1.3335480
H	1.0000730	-0.2172860	1.9406220
C	-1.3212020	-1.0744960	-1.0649950
H	0.3589650	-0.4953020	-2.2977410
O	3.0051700	0.4729670	0.3908360
H	2.4431190	0.2507500	-1.5478370
C	-1.7893400	-1.2241810	0.2443730
H	-1.3326670	-1.0372320	2.3477420
H	-1.9672020	-1.3131060	-1.9057520
H	-2.8016970	-1.5800380	0.4194510
C	-1.7229810	2.7185140	-0.0180590
H	-1.3584990	1.6877610	-0.0055790
H	-1.5279950	3.1882450	0.9518140
H	-1.2064480	3.2806960	-0.8034000
H	-2.8003660	2.7241910	-0.2156020

18

CH4...C6H5CN

C	0.8831750	-0.3088330	0.0000040
C	0.2190320	-0.5370840	1.2197540
C	0.2190380	-0.5371470	-1.2197380
C	2.2384100	0.1569990	-0.0000050
C	-1.0994420	-0.9902790	1.2125210
H	0.7401650	-0.3579310	2.1551380
C	-1.0994360	-0.9903420	-1.2124870
H	0.7401760	-0.3580430	-2.1551280
N	3.3381350	0.5350040	-0.0000120
C	-1.7593440	-1.2171380	0.0000210
H	-1.6125300	-1.1666160	2.1538810
H	-1.6125200	-1.1667280	-2.1538410

H	-2.7871420	-1.5704200	0.0000280
C	-1.6441590	2.7412360	-0.0000820
H	-1.2887310	1.7071970	-0.0000540
H	-2.1088260	2.9689500	0.9652110
H	-0.8000100	3.4187950	-0.1659650
H	-2.3811720	2.8752900	-0.7991120

22

CH4...C6H5COCH3

C	2.7387760	0.2781610	1.0587940
C	1.9321950	0.0182380	-0.2082750
H	3.7578620	0.5564830	0.7821910
H	2.2796640	1.0824330	1.6480020
H	2.7561830	-0.6173000	1.6933410
C	0.4901180	-0.3820670	-0.0590470
O	2.4470350	0.1331580	-1.3110160
C	-0.2693250	-0.6258790	-1.2175510
C	-0.1226850	-0.5203230	1.1984410
C	-1.6076420	-0.9984600	-1.1195140
H	0.2141340	-0.5161130	-2.1837050
C	-1.4644110	-0.8938520	1.2968010
H	0.4467100	-0.3365320	2.1042640
C	-2.2086280	-1.1333960	0.1382410
H	-2.1865360	-1.1847870	-2.0205400
H	-1.9281300	-0.9977800	2.2743260
H	-3.2534540	-1.4242940	0.2139150
C	-1.8590340	2.7911160	-0.0551350
H	-1.5640010	1.7387380	-0.0270630
H	-1.7636370	3.2257400	0.9458740
H	-1.2117470	3.3351940	-0.7511780
H	-2.8995030	2.8717250	-0.3878210

23

CH4...C6H5COOCH3

C	-3.6243030	0.3372150	-0.5337220
O	-2.2195830	0.0617540	-0.7495320
H	-3.7443810	1.2253190	0.0954840
H	-4.1072940	-0.5153470	-0.0449430
H	-4.0408080	0.5043580	-1.5291520
C	-1.5009100	-0.1794820	0.3834100
C	-0.0600670	-0.4563540	0.0917390
O	-1.9896240	-0.1674190	1.4968960
C	0.7880400	-0.7209440	1.1796610

C	0.4655960	-0.4608180	-1.2114280	F	-1.9258980	-1.5028580	-0.0000120
C	2.1402680	-0.9858360	0.9685030	C	0.1582720	1.2189420	-1.2102600
H	0.3681710	-0.7141650	2.1807190	H	-1.0367230	-0.3415970	-2.1458150
C	1.8197000	-0.7264560	-1.4181890	C	0.1582970	1.2188990	1.2102900
H	-0.1855760	-0.2570530	-2.0543440	H	-1.0366780	-0.3416740	2.1458150
C	2.6590200	-0.9891770	-0.3307250	C	0.5843370	1.7753110	0.0000210
H	2.7902680	-1.1896760	1.8153810	H	0.4867360	1.6479210	-2.1532680
H	2.2207750	-0.7285800	-2.4283860	H	0.4867810	1.6478430	2.1533080
H	3.7135960	-1.1957600	-0.4954120	H	1.2447770	2.6377950	0.0000300
C	2.0533470	2.8800310	0.1706200	C	2.6672250	-1.5763820	-0.0000610
H	1.8309050	1.8131150	0.0845470	H	1.7992960	-0.9117720	-0.0000400
H	1.6302060	3.2688940	1.1029490	H	3.1104220	-1.6019820	1.0013570
H	3.1384920	3.0294190	0.1734180	H	2.3559340	-2.5872430	-0.2847510
H	1.6151510	3.4157400	-0.6783870	H	3.4104800	-1.2100760	-0.7165090
20				17			
CH4...C6H5COOH				CH4...C6H5H			
C	0.5046890	-0.3744710	-0.0249240	C	0.7183510	0.3232840	1.3609600
C	1.9349320	0.0377150	-0.1257070	C	0.7183530	1.3402670	0.4005060
C	-0.2027810	-0.5870320	-1.2199840	C	0.7183450	-1.0169840	0.9604530
C	-0.1458120	-0.5536730	1.2078300	H	0.7183530	0.5745720	2.4188250
O	2.5272990	0.2172410	1.0972720	C	0.7183510	1.0169810	-0.9604540
O	2.5413830	0.2055420	-1.1657170	H	0.7183570	2.3820500	0.7118170
C	-1.5410980	-0.9731240	-1.1828420	C	0.7183430	-1.3402700	-0.4005070
H	0.3140470	-0.4444080	-2.1639950	H	0.7183430	-1.8074800	1.7070080
C	-1.4858110	-0.9402870	1.2397320	C	0.7183450	-0.3232870	-1.3609600
H	0.3974470	-0.3904020	2.1323770	H	0.7183530	1.8074770	-1.7070080
H	3.4428770	0.4802490	0.9098820	H	0.7183380	-2.3820530	-0.7118180
C	-2.1851340	-1.1504810	0.0468490	H	0.7183430	-0.5745750	-2.4188260
H	-2.0832020	-1.1360840	-2.1106100	C	-3.0165260	0.0000120	0.0000030
H	-1.9851000	-1.0777680	2.1952480	H	-1.9233860	0.0000080	0.0000020
H	-3.2293840	-1.4517420	0.0751830	H	-3.3826860	1.0272800	-0.1079100
C	-1.8678150	2.7879620	-0.0136280	H	-3.3826930	-0.6071060	-0.8356640
H	-1.5645830	1.7375680	-0.0063110	H	-3.3826910	-0.4201970	0.9435670
H	-1.8135740	3.1923450	1.0032250	25			
H	-1.1991100	3.3580900	-0.6678610	CH4...C6H5NCH32			
H	-2.8958980	2.8702350	-0.3835300	C	2.5387050	0.1884910	-1.2441700
17				N	1.7797360	0.2191310	-0.0008290
CH4...C6H5F				H	2.6467450	-0.8332260	-1.6478420
C	-1.0991990	-0.4232540	-0.0000010	H	3.5339780	0.6034510	-1.0650930
C	-0.6918070	0.1088070	-1.2202760	H	2.0506410	0.8056270	-2.0085100
C	-0.6917820	0.1087620	1.2202840	C	2.5376030	0.2007260	1.2433910

C	0.4735430	-0.2610250	0.0008120	CH4...C6H5NHCH3			
H	2.6488830	-0.8178370	1.6555610	C	3.0465460	0.3739450	0.3685970
H	2.0467260	0.8223760	2.0021880	N	1.9753190	0.3002460	-0.6128280
H	3.5315800	0.6177980	1.0619540	H	2.7986640	1.1048890	1.1485000
C	-0.2192160	-0.5119240	1.2115490	H	3.2450270	-0.5944550	0.8595660
C	-0.2191330	-0.5194100	-1.2084230	H	3.9571140	0.7119930	-0.1346330
C	-1.5277000	-0.9929520	1.2031080	C	0.7298000	-0.2203500	-0.2799460
H	0.2609880	-0.3324320	2.1663580	H	2.2783440	0.0699010	-1.5467460
C	-1.5275940	-1.0003690	-1.1971340	C	0.3203890	-0.3909000	1.0581260
H	0.2612530	-0.3457880	-2.1642270	C	-0.1652140	-0.5950340	-1.3065820
C	-2.1992960	-1.2435580	0.0037310	C	-0.9408610	-0.9180950	1.3479640
H	-2.0250500	-1.1728270	2.1535630	H	0.9846750	-0.1127840	1.8699370
H	-2.0248760	-1.1861200	-2.1464950	C	-1.4179420	-1.1186580	-1.0034850
H	-3.2187730	-1.6183170	0.0048230	H	0.1382150	-0.4686540	-2.3446850
C	-2.1308350	2.6752870	-0.0083810	C	-1.8204000	-1.2863050	0.3281640
H	-1.7536990	1.6493540	-0.0051940	H	-1.2337970	-1.0400860	2.3882640
H	-3.1792630	2.6810470	-0.3256390	H	-2.0868460	-1.3987050	-1.8139870
H	-2.0548210	3.0985100	0.9992470	H	-2.7984390	-1.6968010	0.5620930
H	-1.5389190	3.2828730	-0.7017870	C	-1.9620440	2.6246990	0.0224640
19				H	-1.5403450	1.6160900	0.0229350
CH4...C6H5NH2				H	-2.7707360	2.6845160	-0.7141020
N	-2.1516840	1.2584660	-0.0000360	H	-2.3590340	2.8574550	1.0166180
C	-1.1492370	0.2814880	-0.0000140	H	-1.1817280	3.3491030	-0.2357760
H	-2.7185430	1.2768000	-0.8361480	20			
H	-2.7185240	1.2768700	0.8360900	CH4...C6H5NHOH			
C	-0.6350070	-0.2197300	-1.2103240	N	1.9505570	0.4854520	0.5685370
C	-0.6350230	-0.2196050	1.2103230	C	0.7457340	-0.1885380	0.2527540
C	0.3638340	-1.1931920	-1.2048750	O	3.0072340	0.2301460	-0.3854440
H	-1.0245180	0.1598420	-2.1531690	H	2.3174110	0.1622450	1.4602620
C	0.3638210	-1.1930700	1.2049440	C	-0.1022440	-0.5671990	1.3085050
H	-1.0245310	0.1600490	2.1531380	C	0.3351830	-0.3978450	-1.0717830
C	0.8726890	-1.6890640	0.0000590	H	3.2067170	1.1184770	-0.7083830
H	0.7466800	-1.5663540	-2.1518640	C	-1.3505050	-1.1264180	1.0385440
H	0.7466870	-1.5661650	2.1519500	H	0.2194040	-0.4151380	2.3373250
H	1.6505640	-2.4471750	0.0001150	C	-0.9123180	-0.9701560	-1.3280090
C	2.4311510	1.9290490	-0.0001000	H	0.9997430	-0.1262590	-1.8844070
H	1.6681270	1.1461330	-0.0000650	C	-1.7653080	-1.3328560	-0.2815320
H	1.9546880	2.9060060	-0.1363300	H	-1.9956710	-1.4131110	1.8653490
H	2.9692170	1.9173040	0.9540860	H	-1.2177090	-1.1339690	-2.3586470
H	3.1385650	1.7521780	-0.8176280	H	-2.7348860	-1.7763570	-0.4896500
22				C	-2.0206320	2.5835350	-0.0629020

H	-1.5705610	1.5873930	-0.0482260
H	-1.2626260	3.3327150	0.1907480
H	-2.4178980	2.7922880	-1.0621930
H	-2.8351580	2.6292570	0.6681490

19

CH4...C6H5NO2

N	1.9513250	0.0904750	-0.0000100
C	0.5274050	-0.3588010	0.0000040
O	2.4952230	0.2621080	1.0897730
O	2.4952170	0.2620610	-1.0898030
C	-0.1182130	-0.5624810	1.2209920
C	-0.1182200	-0.5625340	-1.2209720
C	-1.4487070	-0.9822790	1.2128760
H	0.4194670	-0.3928130	2.1465460
C	-1.4487140	-0.9823320	-1.2128300
H	0.4194550	-0.3929060	-2.1465360
C	-2.1138570	-1.1921720	0.0000300
H	-1.9651650	-1.1452120	2.1545910
H	-1.9651770	-1.1453060	-2.1545350
H	-3.1502350	-1.5191710	0.0000400
C	-1.9018090	2.7607040	-0.0000570
H	-1.5727950	1.7179350	-0.0000350
H	-2.0681200	3.0923360	1.0304590
H	-1.1326290	3.3874710	-0.4637320
H	-2.8349100	2.8503650	-0.5667590

18

CH4...C6H5NO

C	0.8375970	-0.2759600	-0.2139980
C	0.0133740	-0.6143580	-1.2958460
C	0.3956320	-0.4340350	1.1107830
N	2.1453520	0.2353870	-0.5809300
C	-1.2662570	-1.1161730	-1.0561550
H	0.3959820	-0.4758110	-2.3040370
C	-0.8800830	-0.9344070	1.3422050
H	1.0640540	-0.1604130	1.9222090
O	2.8741880	0.5343280	0.3517860
C	-1.7103170	-1.2751720	0.2606840
H	-1.9150890	-1.3822950	-1.8860660
H	-1.2397940	-1.0638050	2.3598770
H	-2.7068280	-1.6659160	0.4508950
C	-1.7947420	2.6721000	-0.0176990

H	-1.3935960	1.6551380	-0.0052160
H	-1.7238670	3.1062000	0.9852880
H	-1.2189500	3.2844400	-0.7196770
H	-2.8441010	2.6481630	-0.3309010

21

CH4...C6H5OCF3

C	-2.1073050	0.0632800	0.0349860
O	-1.0575230	-0.1710770	0.8611290
F	-3.1758420	0.3050920	0.8095370
F	-1.9173390	1.1395760	-0.7736180
F	-2.3970090	-0.9938530	-0.7693030
C	0.2256910	-0.4606000	0.3613300
C	1.1803650	-0.6732290	1.3575800
C	0.5594260	-0.5383720	-0.9918350
C	2.4935030	-0.9692070	0.9929370
H	0.8843550	-0.6045680	2.3997760
C	1.8818950	-0.8364090	-1.3375410
H	-0.1798900	-0.3737120	-1.7652000
C	2.8509340	-1.0522990	-0.3563690
H	3.2366790	-1.1347310	1.7681360
H	2.1468190	-0.8981020	-2.3895560
H	3.8739460	-1.2828810	-0.6391610
C	2.3402400	2.8399250	-0.0029210
H	2.1004240	1.7732970	-0.0007640
H	1.8494120	3.3279050	0.8459590
H	3.4244880	2.9722200	0.0785350
H	1.9871660	3.2933300	-0.9352970

18

CH4...C6H5OH

C	1.1366530	0.3508070	-0.0254500
C	0.6569460	-0.1881530	-1.2267210
C	0.6845020	-0.1552410	1.2008100
O	2.0494260	1.3743600	-0.1104860
C	-0.2712400	-1.2290320	-1.1913790
H	1.0177690	0.2157120	-2.1682320
C	-0.2455220	-1.1981940	1.2219110
H	1.0606330	0.2673390	2.1316230
H	2.2924380	1.6476250	0.7830490
C	-0.7286100	-1.7409370	0.0286010
H	-0.6399830	-1.6433310	-2.1264970
H	-0.5906480	-1.5844420	2.1777690

H	-1.4514300	-2.5515250	0.0475880	C	-1.3573520	-0.8074290	1.4018690
C	-2.5473900	1.7612730	-0.0007360	H	0.6489720	-0.2418180	1.9217330
H	-1.7313590	1.0336120	-0.0001340	C	-2.2626750	-1.0974190	0.3799580
H	-3.0560410	1.7435760	0.9693600	H	-2.5242140	-1.2626130	-1.7591150
H	-2.1453230	2.7639420	-0.1824120	H	-1.6759200	-0.8477140	2.4408780
H	-3.2634940	1.5094720	-0.7904500	H	-3.2894260	-1.3647860	0.6141490
21				C	-1.8939570	2.7978530	-0.0803560
CH4...C6H5OCH3				H	-1.6087830	1.7434980	-0.0337990
C	2.9231450	0.4133080	0.3325940	H	-1.1685680	3.3995230	0.4781180
O	1.9753960	0.0784770	-0.6829100	H	-1.9103900	3.1281110	-1.1245530
H	3.8339240	0.7086570	-0.1943070	H	-2.8890710	2.9288860	0.3583900
H	2.5623650	1.2485110	0.9509080	18			
H	3.1307260	-0.4508660	0.9807860	CH4...C6H5SH			
C	0.7327940	-0.3299330	-0.2744720	C	-0.7880250	-0.2884040	-0.0039700
C	-0.1709600	-0.6502670	-1.3023370	C	-0.1194490	-0.5347730	-1.2140540
C	0.3312120	-0.4406820	1.0656340	C	-0.1295810	-0.5284860	1.2112600
C	-1.4587600	-1.0754630	-0.9888860	S	-2.4643090	0.3260010	-0.0834980
H	0.1573980	-0.5585830	-2.3338810	C	1.1909660	-1.0151290	-1.2010630
C	-0.9682950	-0.8700800	1.3628410	H	-0.6204130	-0.3521350	-2.1615780
H	1.0126070	-0.1985820	1.8736550	C	1.1816400	-1.0091510	1.2121270
C	-1.8684400	-1.1890020	0.3466010	H	-0.6382620	-0.3410160	2.1534490
H	-2.1485760	-1.3203100	-1.7929210	H	-2.6629430	0.4002280	1.2477920
H	-1.2703540	-0.9527960	2.4041760	C	1.8493330	-1.2551890	0.0091040
H	-2.8744810	-1.5212520	0.5867990	H	1.6977790	-1.2019160	-2.1445620
C	-1.7327740	2.7261590	-0.0263820	H	1.6801740	-1.1908960	2.1611420
H	-1.3860530	1.6894760	-0.0081550	H	2.8694030	-1.6291190	0.0142200
H	-1.6159670	3.1702360	0.9683460	C	1.7990790	2.6878820	-0.0014350
H	-1.1430960	3.2981570	-0.7511510	H	1.4228150	1.6614610	-0.0003470
H	-2.7892100	2.7552870	-0.3145300	H	2.3657070	2.8699580	-0.9210790
21				H	0.9576540	3.3871510	0.0510860
CH4...C6H5SCH3				H	2.4532490	2.8397600	0.8640480
C	2.9042920	0.3215870	0.8664540				
S	2.0558450	0.0219150	-0.7231070				
H	3.9328620	0.5882960	0.6062190				
H	2.4387180	1.1505320	1.4095480				
H	2.9071000	-0.5811850	1.4860160				
C	0.3977550	-0.4045760	-0.2253840				
C	-0.5160090	-0.6972250	-1.2558230				
C	-0.0338300	-0.4624010	1.1086440				
C	-1.8317000	-1.0396250	-0.9510430				
H	-0.1939470	-0.6559500	-2.2937980				

18

NH3...C6H5CCH

C	0.8034640	-0.3732730	0.0102220
C	0.1123460	-0.5630550	-1.2042990
C	0.0967210	-0.4831520	1.2256080
C	2.1995390	-0.0739930	0.0093570
C	-1.2510870	-0.8551570	-1.1982100
H	0.6549770	-0.4788200	-2.1412400
C	-1.2666440	-0.7755990	1.2212070
H	0.6273080	-0.3373190	2.1618840
C	3.3845280	0.1800350	0.0086230
C	-1.9447240	-0.9624070	0.0119230
H	-1.7740170	-0.9995430	-2.1401730
H	-1.8016910	-0.8580140	2.1638260
H	4.4275370	0.4036270	0.0079770
H	-3.0075400	-1.1902450	0.0125810
N	-1.3000400	2.7131080	-0.1047940
H	-1.0867250	1.7181380	-0.0707050
H	-1.2106830	3.0476690	0.8526130
H	-0.5337410	3.1423540	-0.6197900

19

NH3...C6H5CF3

C	-1.6714660	0.0172620	0.0055620
C	-0.2077300	-0.3630820	0.0141150
F	-2.0056710	0.8140840	1.0570920
F	-2.4742090	-1.0872270	0.0809130
F	-2.0275680	0.6809890	-1.1279030
C	0.4787800	-0.4644900	1.2292700
C	0.4544840	-0.6121400	-1.1932440
C	1.8297730	-0.8157440	1.2339440
H	-0.0412740	-0.2699030	2.1616540
C	1.8055360	-0.9630090	-1.1822820
H	-0.0843600	-0.5315750	-2.1317640
C	2.4944300	-1.0652340	0.0297700
H	2.3620740	-0.8942590	2.1779180
H	2.3190110	-1.1562340	-2.1201500
H	3.5463180	-1.3385640	0.0358860
N	2.0136960	2.6338390	-0.1908520
H	1.7578750	1.6507320	-0.1283670
H	1.1389760	3.1428740	-0.3012920
H	2.3696970	2.8880620	0.7283410

20

NH3...C6H5CH2OH

C	2.0866300	-0.0327810	-0.6292840
C	0.6551250	-0.3609280	-0.2595890
O	2.8896520	0.1518130	0.5403570
H	2.0914260	0.8799100	-1.2500900
H	2.4887450	-0.8526220	-1.2494400
C	0.2232110	-0.4594810	1.0673530
C	-0.2681200	-0.5730430	-1.2943140
H	3.7827310	0.3565110	0.2442410
C	-1.1123820	-0.7656640	1.3522380
H	0.9319640	-0.2966410	1.8722790
C	-1.5994780	-0.8782550	-1.0105940
H	0.0597440	-0.4982430	-2.3301850
C	-2.0270770	-0.9758180	0.3183970
H	-1.4361130	-0.8395160	2.3877270
H	-2.3025950	-1.0398060	-1.8240680
H	-3.0637730	-1.2134780	0.5431550
N	-1.4556320	2.6779080	0.0276600
H	-1.2279850	1.6852440	0.0280320
H	-0.8126740	3.1104840	0.6877600
H	-1.1867150	3.0241130	-0.8911280

19

NH3...C6H5CH3

C	-2.5201450	0.4436340	0.0196040
C	-1.1264900	-0.1415650	0.0182420
H	-2.6720590	1.1010860	0.8830740
H	-3.2783010	-0.3505330	0.0721610
H	-2.7084750	1.0183990	-0.8941850
C	-0.4390130	-0.3638580	1.2202070
C	-0.4887710	-0.4757400	-1.1852930
C	0.8495210	-0.9047590	1.2218080
H	-0.9201520	-0.1098260	2.1628140
C	0.7996110	-1.0169220	-1.1899710
H	-1.0089370	-0.3093090	-2.1267070
C	1.4741010	-1.2335870	0.0151710
H	1.3653900	-1.0692940	2.1648460
H	1.2763630	-1.2692020	-2.1342000
H	2.4763480	-1.6544420	0.0140290
N	1.5116960	2.4868300	-0.1586190
H	1.1178970	1.5488730	-0.1068480

H	0.7457050	3.0942030	-0.4437300	21			
H	1.7314640	2.7490080	0.8004650	NH3...C6H5COCH3			
18				C	2.7250250	0.1975830	1.0561880
NH3...C6H5CHO				C	1.9081590	-0.0736400	-0.2018910
C	-0.7528660	-0.3498000	0.2004370	H	3.7597990	0.4010550	0.7727280
C	-0.2661780	-0.4622510	-1.1139610	H	2.3131750	1.0549530	1.6040020
C	0.1079100	-0.5697660	1.2863380	H	2.6867880	-0.6661320	1.7324570
C	-2.1701720	-0.0002920	0.4634690	C	0.4442280	-0.3795250	-0.0423770
C	1.0687390	-0.7916250	-1.3320050	O	2.4323050	-0.0422490	-1.3057880
H	-0.9509770	-0.2874940	-1.9391390	C	-0.3249490	-0.6323380	-1.1925000
C	1.4462930	-0.8999890	1.0666570	C	-0.1795730	-0.4209730	1.2166190
H	-0.2804940	-0.4798020	2.2994340	C	-1.6834880	-0.9192130	-1.0848200
O	-3.0115160	0.2134190	-0.3893120	H	0.1671500	-0.5977160	-2.1599060
H	-2.4280850	0.0568930	1.5494610	C	-1.5415730	-0.7085740	1.3246450
C	1.9250440	-1.0105050	-0.2427660	H	0.3970670	-0.2286650	2.1160690
H	1.4497000	-0.8797380	-2.3462410	C	-2.2952950	-0.9580450	0.1743560
H	2.1134520	-1.0704730	1.9074640	H	-2.2697760	-1.1132530	-1.9794140
H	2.9668880	-1.2675360	-0.4178360	H	-2.0136510	-0.7380140	2.3032500
N	1.4234900	2.6910600	-0.0017100	H	-3.3559080	-1.1820720	0.2575590
H	1.1787310	1.7031200	-0.0078160	N	-1.6612770	2.6984210	-0.1854010
H	0.8829510	3.1176210	-0.7522930	H	-1.4459210	1.7063650	-0.1113580
H	1.0429070	3.0679990	0.8644280	H	-1.2911030	3.1289950	0.6594130
17				H	-1.0923260	3.0518750	-0.9520190
NH3...C6H5CN				22			
C	0.8218150	-0.3579740	0.0025750	NH3...C6H5COOCH3			
C	0.1359970	-0.5092690	1.2223030	C	3.6153310	0.2508350	0.5287460
C	0.1405000	-0.5287420	-1.2171070	O	2.2015100	0.0317740	0.7496810
C	2.2166930	-0.0293760	0.0025270	H	3.7676350	1.1183990	-0.1217810
C	-1.2210310	-0.8290120	1.2151080	H	4.0672130	-0.6303260	0.0614060
H	0.6706490	-0.3754450	2.1576410	H	4.0374200	0.4270100	1.5202580
C	-1.2165540	-0.8483700	-1.2098180	C	1.4747950	-0.2108330	-0.3778260
H	0.6786070	-0.4098510	-2.1524810	C	0.0248090	-0.4281460	-0.0810560
N	3.3485860	0.2372710	0.0024880	O	1.9638480	-0.2436360	-1.4907440
C	-1.8980010	-0.9986960	0.0026680	C	-0.8321110	-0.6882990	-1.1631280
H	-1.7508640	-0.9459040	2.1564520	C	-0.5009320	-0.3817870	1.2212620
H	-1.7429110	-0.9802900	-2.1511260	C	-2.1930910	-0.8988160	-0.9470430
H	-2.9558640	-1.2479020	0.0027040	H	-0.4120720	-0.7211450	-2.1635980
N	-1.3379020	2.7102810	-0.0259050	C	-1.8638130	-0.5930890	1.4329670
H	-1.1045700	1.7198050	-0.0175680	H	0.1570270	-0.1812440	2.0596690
H	-0.9579840	3.0944950	0.8368440	C	-2.7118830	-0.8516810	0.3513180
H	-0.7883650	3.1208590	-0.7780860	H	-2.8498800	-1.0995730	-1.7894070

H	-2.2649030	-0.5560490	2.4424810	N	-1.9248540	2.1907860	-0.0737650
H	-3.7732840	-1.0158580	0.5198470	H	-1.3605240	1.3435880	-0.0499890
N	-1.9263470	2.7463570	-0.2190490	H	-1.8567610	2.5961210	0.8582350
H	-1.7553670	1.7482970	-0.1144970	H	-1.4338200	2.8343380	-0.6921410
H	-1.2763000	3.2072560	0.4145280	16			
H	-1.6145510	2.9845280	-1.1584960	NH3...C6H5H			
19				C	0.7509520	-0.7992760	-1.1121770
NH3...C6H5COOH				C	0.6489150	-1.3938270	0.1498940
C	0.4566640	-0.3712760	-0.0172400	C	0.7604760	0.5945510	-1.2299910
C	1.9107230	-0.0546160	-0.1225290	H	0.8228630	-1.4205490	-2.0016010
C	-0.2606850	-0.5654760	-1.2095320	C	0.5564010	-0.5945500	1.2941510
C	-0.2064840	-0.4794860	1.2170510	H	0.6415120	-2.4772410	0.2414710
O	2.5110210	0.1146970	1.0980370	C	0.6679620	1.3938270	-0.0857350
O	2.5287970	0.0495630	-1.1640190	H	0.8397890	1.0566920	-2.2109920
C	-1.6212000	-0.8635090	-1.1681490	C	0.5659250	0.7992770	1.1763360
H	0.2661360	-0.4784340	-2.1547800	H	0.4770880	-1.0566910	2.2751510
C	-1.5687010	-0.7780530	1.2532020	H	0.6753650	2.4772420	-0.1773120
H	0.3443500	-0.3301550	2.1394700	H	0.4940150	1.4205500	2.0657600
H	3.4420340	0.3137020	0.9078150	N	-2.8029440	-0.0000030	-0.2477720
C	-2.2777710	-0.9703660	0.0630600	H	-1.7877460	-0.0000020	-0.1656940
H	-2.1708560	-1.0126800	-2.0937910	H	-3.1230350	-0.8119290	0.2763800
H	-2.0777120	-0.8608280	2.2098940	H	-3.1230360	0.8119370	0.2763700
H	-3.3393410	-1.2029320	0.0947030	24			
N	-1.6539590	2.6966960	-0.0797380	NH3...C6H5NCH32			
H	-1.4353790	1.7030900	-0.0494100	C	2.5486940	-0.2946460	-1.2144410
H	-1.2698590	3.0924710	0.7765170	N	1.7874170	0.1871330	-0.0693580
H	-1.0954750	3.0815050	-0.8395740	H	2.6240810	-1.3956800	-1.2383360
16				H	3.5566100	0.1265840	-1.1757110
NH3...C6H5F				H	2.0836200	0.0341960	-2.1519100
C	1.1367480	0.0736030	0.0100360	C	2.5405130	0.5777140	1.1151570
C	0.5970780	-0.3201580	-1.2113710	C	0.4660520	-0.2233640	0.0795690
C	0.5610500	-0.2756830	1.2285170	H	2.6167880	-0.2381270	1.8556470
F	2.2683930	0.8274910	0.0130040	H	2.0681950	1.4379750	1.6051050
C	-0.5667190	-1.0951840	-1.2044210	H	3.5482880	0.8762020	0.8149030
H	1.0828730	-0.0224950	-2.1354130	C	-0.2382690	-0.0188630	1.2923580
C	-0.6024510	-1.0510730	1.2154630	C	-0.2311530	-0.8633490	-0.9754850
H	1.0195190	0.0557120	2.1550360	C	-1.5619220	-0.4335990	1.4320950
C	-1.1677960	-1.4616570	0.0039910	H	0.2447370	0.4654680	2.1329550
H	-1.0024370	-1.4119130	-2.1483540	C	-1.5548410	-1.2711920	-0.8172620
H	-1.0660120	-1.3334330	2.1570370	H	0.2575890	-1.0457200	-1.9254060
H	-2.0718540	-2.0639290	0.0016200	C	-2.2378320	-1.0635090	0.3839010

H	-2.0678090	-0.2584330	2.3789170	H	0.1305760	-0.6150800	-2.3147340
H	-2.0551380	-1.7589950	-1.6508260	C	-1.8836790	-1.1320750	0.3916180
H	-3.2691490	-1.3839660	0.4999600	H	-1.3012580	-0.7544210	2.4329170
N	-1.9665480	2.3976980	-0.9041010	H	-2.1394340	-1.3975820	-1.7382960
H	-1.6468350	1.4913670	-0.5656040	H	-2.8815580	-1.4776580	0.6457800
H	-2.7969010	2.2040860	-1.4610410	N	-1.7651780	2.5418270	-0.1993680
H	-2.2976130	2.8960800	-0.0797980	H	-1.4166160	1.5874660	-0.1222560
18				H	-2.7647230	2.4551030	-0.3727170
NH3...C6H5NH2				H	-1.6814410	2.9401580	0.7338060
N	-2.3819870	0.6561510	0.0136310	19			
C	-1.1491080	-0.0066950	0.0189770	NH3...C6H5NHOH			
H	-2.9559710	0.4663580	-0.7958560	N	-1.9646140	0.3265200	-0.5748890
H	-2.9072360	0.5704780	0.8724250	C	-0.7041100	-0.2280840	-0.2445540
C	-0.5519310	-0.4220770	-1.1857380	O	-2.9863570	0.0299420	0.4048600
C	-0.4814320	-0.2713470	1.2291820	H	-2.3118130	-0.0689940	-1.4450840
C	0.6766710	-1.0822000	-1.1749980	C	0.1621640	-0.5849080	-1.2930330
H	-1.0584460	-0.2232260	-2.1284220	C	-0.2640960	-0.3380170	1.0824960
C	0.7468580	-0.9321460	1.2291210	H	-3.2568390	0.9129910	0.6881990
H	-0.9330100	0.0449110	2.1676990	C	1.4558060	-1.0238530	-1.0145040
C	1.3375990	-1.3436460	0.0297880	H	-0.1814710	-0.5102160	-2.3232690
H	1.1199340	-1.3943120	-2.1177130	C	1.0297550	-0.7907200	1.3479380
H	1.2453210	-1.1263430	2.1759200	H	-0.9410190	-0.0841410	1.8906300
H	2.2942840	-1.8579950	0.0339750	C	1.8997690	-1.1307880	0.3078960
N	1.7155440	2.3332500	-0.2107250	H	2.1145370	-1.2950750	-1.8358130
H	1.2340400	1.4382250	-0.1408040	H	1.3582010	-0.8783830	2.3807750
H	0.9804410	3.0365760	-0.2539860	H	2.9053500	-1.4809010	0.5231040
H	2.1738020	2.4681960	0.6884230	N	1.7439310	2.5589090	-0.0910240
21				H	1.4042930	1.5993480	-0.0548920
NH3...C6H5NHCH3				H	0.9505440	3.1203440	-0.3945860
C	3.0552790	0.2999660	0.3571690	H	1.9181310	2.8257090	0.8760000
N	1.9889770	0.2000100	-0.6272930	18			
H	2.8362190	1.0997580	1.0757220	NH3...C6H5NO2			
H	3.2045790	-0.6356370	0.9233850	N	1.9296910	-0.0142800	0.0002590
H	3.9843380	0.5556570	-0.1606360	C	0.4775620	-0.3617250	0.0005970
C	0.7180360	-0.2352200	-0.2689160	O	2.4841210	0.1204950	1.0899160
H	2.2876960	-0.1156900	-1.5373400	O	2.4846000	0.1163730	-1.0896560
C	0.2913160	-0.2825820	1.0737710	C	-0.1811180	-0.5169520	1.2217300
C	-0.1860200	-0.6465680	-1.2733540	C	-0.1805810	-0.5215700	-1.2202290
C	-0.9953320	-0.7269900	1.3895690	C	-1.5379690	-0.8416160	1.2139170
H	0.9619500	0.0266050	1.8689520	H	0.3670080	-0.3840050	2.1471600
C	-1.4640860	-1.0867870	-0.9445170	C	-1.5374360	-0.8462030	-1.2117850

H	0.3679510	-0.3921240	-2.1459140
C	-2.2160250	-1.0062090	0.0012240
H	-2.0648670	-0.9658540	2.1557480
H	-2.0639200	-0.9740040	-2.1533700
H	-3.2729350	-1.2590920	0.0014700
N	-1.6703250	2.6934800	-0.0056530
H	-1.4335730	1.7039900	-0.0037300
H	-1.2162840	3.0927680	0.8132820
H	-1.1953210	3.0946250	-0.8117030

17

NH3...C6H5NO

C	0.7734160	-0.3311680	-0.2159260
C	-0.0858300	-0.5666840	-1.2978120
C	0.3185820	-0.4462020	1.1089360
N	2.1302790	0.0302030	-0.5829070
C	-1.4138830	-0.9209890	-1.0580790
H	0.3083490	-0.4662800	-2.3060660
C	-1.0054290	-0.7994670	1.3403990
H	1.0152030	-0.2555950	1.9203890
O	2.8900110	0.2383210	0.3498420
C	-1.8709180	-1.0366510	0.2588400
H	-2.0902180	-1.1062590	-1.8880190
H	-1.3758030	-0.8934490	2.3581340
H	-2.9051250	-1.3125450	0.4490840
N	-1.4447220	2.6686290	0.0057060
H	-1.1815930	1.6857120	0.0106970
H	-0.9008820	3.1071750	0.7461490
H	-1.0845470	3.0498180	-0.8668460

20

NH3...C6H5OCF3

C	-2.0921370	0.0198340	0.0378160
O	-1.0314330	-0.1482810	0.8661420
F	-3.1649970	0.2533500	0.8089300
F	-1.9425420	1.0716490	-0.8105050
F	-2.3489590	-1.0752730	-0.7258080
C	0.2587830	-0.4120890	0.3701470
C	1.2244190	-0.5555130	1.3681980
C	0.5891950	-0.5279440	-0.9811070
C	2.5453380	-0.8198020	1.0073380
H	0.9306910	-0.4588570	2.4088180
C	1.9195910	-0.7932800	-1.3230200

H	-0.1586190	-0.4169460	-1.7558650
C	2.8996310	-0.9400230	-0.3399970
H	3.2970470	-0.9314650	1.7839380
H	2.1819700	-0.8843920	-2.3735350
H	3.9287110	-1.1458700	-0.6198430
N	2.2154880	2.7201240	-0.1170030
H	2.0262910	1.7206780	-0.0775750
H	1.4256020	3.1338370	-0.6084600
H	2.1509280	3.0537760	0.8426060

17

NH3...C6H5OH

C	1.1512160	-0.0143770	-0.0129230
C	0.5393810	-0.3937320	-1.2151690
C	0.5362280	-0.3098920	1.2112920
O	2.3538950	0.6450770	-0.0949700
C	-0.6827760	-1.0656670	-1.1828410
H	1.0295480	-0.1569320	-2.1550650
C	-0.6881170	-0.9835330	1.2293790
H	1.0161380	-0.0127370	2.1428740
H	2.6592130	0.8447490	0.7989220
C	-1.3045290	-1.3651290	0.0350790
H	-1.1528930	-1.3575790	-2.1187030
H	-1.1578570	-1.2085760	2.1836660
H	-2.2561400	-1.8886200	0.0517230
N	-1.7382290	2.3317650	-0.0957240
H	-1.2471320	1.4400390	-0.0642750
H	-1.7098660	2.6985340	0.8534760
H	-1.1529810	2.9521410	-0.6516880

20

NH3...C6H5OCH3

C	2.9219550	0.1972140	0.3360920
O	1.9520960	-0.0729730	-0.6777920
H	3.8571280	0.4007380	-0.1915470
H	2.6339190	1.0730320	0.9361060
H	3.0502240	-0.6688490	1.0020660
C	0.6768620	-0.3622400	-0.2681780
C	-0.2478510	-0.6221070	-1.2944650
C	0.2622050	-0.4106070	1.0716500
C	-1.5692400	-0.9259980	-0.9797350
H	0.0910630	-0.5801610	-2.3258160
C	-1.0711560	-0.7179730	1.3701580

H	0.9593340	-0.2134430	1.8784630	H	2.6790460	0.1259340	-1.2371740
C	-1.9921930	-0.9765210	0.3554850	C	-1.9803850	-1.0421050	0.0121370
H	-2.2750140	-1.1250760	-1.7825550	H	-1.8475010	-0.8949870	2.1626670
H	-1.3831200	-0.7531080	2.4112650	H	-1.7830610	-1.1017970	-2.1376340
H	-3.0244630	-1.2140980	0.5966850	H	-3.0306540	-1.3201720	0.0097830
N	-1.4565600	2.6766690	-0.0842140	N	-1.5048050	2.6500440	-0.1580570
H	-1.2199590	1.6866960	-0.0467270	H	-1.2446260	1.6669060	-0.1068780
H	-1.1313410	3.0735520	0.7952600	H	-1.6557660	2.9457230	0.8040880
H	-0.8621120	3.0772090	-0.8074150	H	-0.6683550	3.1407690	-0.4687950

20

NH3...C6H5SCH3

C	2.9010800	0.1619930	0.8656600
S	2.0304380	-0.0286680	-0.7287060
H	3.9415580	0.3820950	0.6091970
H	2.4840560	0.9933020	1.4434810
H	2.8571500	-0.7630680	1.4497780
C	0.3536890	-0.3830860	-0.2369910
C	-0.5793050	-0.5849860	-1.2719650
C	-0.0744930	-0.4692610	1.0966030
C	-1.9104210	-0.8666710	-0.9720370
H	-0.2600730	-0.5208950	-2.3096560
C	-1.4136230	-0.7526900	1.3849350
H	0.6229740	-0.3181750	1.9131210
C	-2.3380060	-0.9527300	0.3585300
H	-2.6176940	-1.0198220	-1.7835710
H	-1.7293080	-0.8160240	2.4236750
H	-3.3768190	-1.1725720	0.5889310
N	-1.7099310	2.7035060	0.0477570
H	-1.4982840	1.7071650	0.0513300
H	-0.9253960	3.1528280	0.5165150
H	-1.6491870	2.9939050	-0.9262250

17

NH3...C6H5SH

C	0.7350550	-0.3231800	0.0180690
C	0.0336340	-0.4457960	1.2284270
C	0.0701530	-0.5622290	-1.1938440
S	2.4602010	0.1372630	0.0929670
C	-1.3155070	-0.8033250	1.2189940
H	0.5392640	-0.2627930	2.1733980
C	-1.2799480	-0.9193820	-1.1911670
H	0.6040550	-0.4699950	-2.1362150

17
OH2...C6H5CCH

C	0.7876970	-0.3671440	0.0002480
C	0.0847080	-0.4977800	-1.2152610
C	0.0846460	-0.4950900	1.2160070
C	2.1919410	-0.1088930	-0.0000020
C	-1.2866680	-0.7499810	-1.2097700
H	0.6244820	-0.3995530	-2.1524910
C	-1.2867310	-0.7473020	1.2110030
H	0.6243710	-0.3947890	2.1530450
C	3.3838640	0.1103100	-0.0002140
C	-1.9765710	-0.8755140	0.0007390
H	-1.8187280	-0.8488780	-2.1524950
H	-1.8188390	-0.8441130	2.1539170
H	4.4329760	0.3032490	-0.0004000
H	-3.0456060	-1.0721170	0.0009290
O	-1.1950920	2.6201010	-0.0031090
H	-1.0203420	1.6698950	-0.0020530
H	-0.3148990	3.0138660	0.0079190

18
OH2...C6H5CF3

C	1.6632180	-0.0116560	-0.0000170
C	0.1886220	-0.3475460	0.0005490
F	2.0304170	0.7063450	-1.0963630
F	2.4322880	-1.1423600	0.0028310
F	2.0301150	0.7117070	1.0927860
C	-0.4905860	-0.5052260	-1.2127100
C	-0.4909030	-0.4993670	1.2144140
C	-1.8516350	-0.8152450	-1.2089610
H	0.0429020	-0.3859960	-2.1501720
C	-1.8519480	-0.8094010	1.2118630
H	0.0423640	-0.3756070	2.1514160
C	-2.5335890	-0.9676260	0.0017290
H	-2.3782550	-0.9375050	-2.1514670
H	-2.3788630	-0.9271210	2.1547800
H	-3.5932820	-1.2090090	0.0021670
O	-1.9045320	2.5599050	-0.0067140
H	-1.6900470	1.6182990	-0.0044130
H	-1.0430270	2.9928640	0.0169060

19
OH2...C6H5CH2OH

C	2.0944130	-0.1178830	-0.6157370
C	0.6544470	-0.3749610	-0.2233430
O	2.8895650	0.2019770	0.5298640
H	2.1196930	0.7082660	-1.3473580
H	2.4888540	-1.0158440	-1.1222060
C	0.2088470	-0.2974940	1.1004680
C	-0.2625900	-0.7031620	-1.2329740
H	3.7885220	0.3540100	0.2201240
C	-1.1340890	-0.5450060	1.4070250
H	0.9127370	-0.0441910	1.8860440
C	-1.6012660	-0.9499220	-0.9276500
H	0.0759250	-0.7656130	-2.2662330
C	-2.0425540	-0.8712780	0.3981160
H	-1.4684530	-0.4817250	2.4398310
H	-2.2994220	-1.2031180	-1.7218040
H	-3.0849840	-1.0629350	0.6396660
O	-1.3772300	2.5570050	-0.3284200
H	-1.1764220	1.6191620	-0.2059470
H	-0.9583760	2.9783680	0.4308970

18
OH2...C6H5CH3

C	-2.5438840	0.1858770	-0.0017490
C	-1.0930720	-0.2382350	0.0011080
H	-2.7820340	0.7863070	0.8835020
H	-3.2079540	-0.6900370	0.0052610
H	-2.7825060	0.7725720	-0.8959990
C	-0.4027430	-0.4305710	1.2066000
C	-0.4038500	-0.4491820	-1.2019430
C	0.9385770	-0.8226540	1.2121050
H	-0.9234670	-0.2709340	2.1488830
C	0.9374430	-0.8413050	-1.2027240
H	-0.9255010	-0.3041020	-2.1460640
C	1.6141850	-1.0296450	0.0059090
H	1.4557200	-0.9664030	2.1578400
H	1.4536350	-0.9996300	-2.1466440
H	2.6575400	-1.3346480	0.0078020
O	1.1877410	2.5207910	-0.0213000
H	0.9164040	1.5926450	-0.0140040
H	0.3563020	3.0021940	0.0539840

17
OH2...C6H5CHO

C	0.7410100	-0.3559270	-0.1815620	H	-2.6893100	-1.2923280	-1.3316550
C	0.2454370	-0.3579100	1.1343240	C	-0.4406800	-0.3177350	0.1700390
C	-0.1212990	-0.6284850	-1.2542390	O	-2.4260030	0.4561730	1.2292700
C	2.1693710	-0.0689470	-0.4599990	C	0.3393170	-0.0990570	1.3198720
C	-1.0997680	-0.6305510	1.3669690	C	0.1760010	-0.8332420	-0.9831620
H	0.9316170	-0.1441280	1.9491010	C	1.7014550	-0.3890220	1.3151600
C	-1.4700020	-0.9017490	-1.0199210	H	-0.1473520	0.2994620	2.2050660
H	0.2740460	-0.6240740	-2.2686340	C	1.5416080	-1.1239680	-0.9879540
O	3.0130820	0.1810020	0.3805040	H	-0.4090210	-1.0089480	-1.8805930
H	2.4336120	-0.0986190	-1.5455700	C	2.3061030	-0.9023260	0.1609250
C	-1.9575620	-0.9024010	0.2909140	H	2.2961220	-0.2166690	2.2086650
H	-1.4876230	-0.6332560	2.3824150	H	2.0081120	-1.5222560	-1.8852460
H	-2.1383540	-1.1129340	-1.8504810	H	3.3695310	-1.1284290	0.1580670
H	-3.0074560	-1.1147990	0.4773640	O	1.5856730	2.4515140	-0.8564310
O	-1.3067160	2.5866400	-0.2013250	H	1.3954730	1.5531550	-0.5565550
H	-1.1029790	1.6456710	-0.1260140	H	1.1405420	3.0088630	-0.2076340
H	-0.5969160	3.0168280	0.2894790	21			
16				OH2...C6H5COOCH3			
OH2...C6H5CN				C	-3.6205360	0.1582320	-0.5602010
C	-0.8057310	-0.3544700	0.0005280	O	-2.2047010	-0.0769410	-0.7493920
C	-0.1172740	-0.4957020	-1.2189200	H	-3.7811920	1.1101550	-0.0434030
C	-0.1171040	-0.4896780	1.2205640	H	-4.0633870	-0.6493980	0.0319690
C	-2.2107610	-0.0724200	-0.0000700	H	-4.0448170	0.1831930	-1.5660120
C	1.2496440	-0.7700840	-1.2110960	C	-1.4750830	-0.1447180	0.4000900
H	-0.6576230	-0.3895540	-2.1545350	C	-0.0231370	-0.3889100	0.1355560
C	1.2498130	-0.7640960	1.2139050	O	-1.9632740	-0.0190180	1.5067540
H	-0.6573230	-0.3789100	2.1557180	C	0.8368330	-0.4794180	1.2424110
N	-3.3508920	0.1564530	-0.0005560	C	0.5015180	-0.5285710	-1.1605220
C	1.9338800	-0.9044290	0.0016960	C	2.1997470	-0.7059480	1.0568680
H	1.7815170	-0.8791920	-2.1522230	H	0.4176020	-0.3695480	2.2377130
H	1.7818160	-0.8685540	2.1554850	C	1.8663420	-0.7552170	-1.3416220
H	2.9994420	-1.1183330	0.0021500	H	-0.1587940	-0.4594020	-2.0179930
O	1.2174650	2.6178070	-0.0069520	C	2.7174470	-0.8443300	-0.2353960
H	1.0274570	1.6712890	-0.0046020	H	2.8588940	-0.7747610	1.9182870
H	0.3464340	3.0309060	0.0178770	H	2.2665800	-0.8624490	-2.3464480
20				H	3.7803570	-1.0209970	-0.3801050
OH2...C6H5COCH3				O	1.8713740	2.6351310	-0.1897610
C	-2.7367960	-0.2353520	-1.0395040	H	1.7185270	1.6820940	-0.1489370
C	-1.9081730	0.0084690	0.2164940	H	1.3602480	2.9810160	0.5510160
H	-3.7728500	0.0491880	-0.8442180	18			
H	-2.3416220	0.3498770	-1.8798300	OH2...C6H5COOH			

C	-0.4508320	-0.3442210	0.0833960	C	-0.5210400	1.1424620	0.8515500
C	-1.9095350	-0.0353150	0.1324870	H	-0.4157730	2.3249000	-0.9514090
C	0.2754500	-0.2747450	1.2840430	C	-0.7340450	-1.2501930	0.5353140
C	0.2081020	-0.6966390	-1.1067960	H	-0.7943480	-1.9275530	-1.5134540
O	-2.5184970	-0.1331880	-1.0916020	C	-0.6356370	-0.1447950	1.3868640
O	-2.5242620	0.2737290	1.1345700	H	-0.4445470	2.0016820	1.5134540
C	1.6406150	-0.5535910	1.2943530	H	-0.8231220	-2.2507710	0.9514100
H	-0.2482120	-0.0010710	2.1948060	H	-0.6482220	-0.2861540	2.4648640
C	1.5750030	-0.9748910	-1.0912700	O	2.6669540	-0.2555070	0.0000000
H	-0.3496280	-0.7512160	-2.0355230	H	1.7040430	-0.1697840	0.0000000
H	-3.4518280	0.0864990	-0.9392750	H	2.9771240	0.6571310	0.0000010
C	2.2929650	-0.9041470	0.1069490	23			
H	2.1971800	-0.4982040	2.2262090	OH2...C6H5NCH32			
H	2.0807300	-1.2470520	-2.0139690	C	-2.5336860	-1.2498200	-0.1230590
H	3.3581670	-1.1216060	0.1156310	N	-1.7837520	-0.0352510	0.1689860
O	1.5778360	2.5570900	-0.4847860	H	-2.5788180	-1.4685370	-1.2041020
H	1.3863080	1.6256880	-0.3150330	H	-3.5527260	-1.1401180	0.2568780
H	0.9560570	3.0272070	0.0827260	H	-2.0796250	-2.1128480	0.3792270
15				C	-2.5450330	1.1974560	0.3228340
OH2...C6H5F				C	-0.4513180	0.0425740	-0.2250370
C	1.1191430	-0.1223260	0.0000260	H	-2.5974310	1.7815390	-0.6130290
C	0.4993410	-0.3773510	-1.2201930	H	-2.0956080	1.8334070	1.0953400
C	0.4992500	-0.3765460	1.2203670	H	-3.5612070	0.9517970	0.6420530
F	2.3769280	0.3943490	-0.0000970	C	0.2494350	1.2745080	-0.2193320
C	-0.7940150	-0.9086350	-1.2100610	C	0.2611990	-1.1070500	-0.6487100
H	1.0241350	-0.1620950	-2.1457790	C	1.5842560	1.3425440	-0.6158350
C	-0.7941050	-0.9078370	1.2104890	H	-0.2450940	2.1861410	0.0950550
H	1.0239740	-0.1606800	2.1458510	C	1.5958990	-1.0195980	-1.0417050
C	-1.4422790	-1.1745130	0.0002780	H	-0.2241620	-2.0757080	-0.6732900
H	-1.2937380	-1.1142380	-2.1530250	C	2.2752210	0.2013920	-1.0313960
H	-1.2938990	-1.1128180	2.1535510	H	2.0869470	2.3069280	-0.5973250
H	-2.4471090	-1.5872790	0.0003760	H	2.1078220	-1.9248740	-1.3602800
O	-1.4075090	2.4115820	-0.0009040	H	3.3151790	0.2619480	-1.3389610
H	-1.0403750	1.5178390	-0.0005950	O	1.8663500	-0.4307410	2.4636040
H	-0.6292860	2.9807270	0.0022800	H	1.5872030	-0.2677330	1.5518290
15				H	2.7771460	-0.7313000	2.3683110
OH2...C6H5H				17			
C	-0.6032580	0.2189240	-1.3868630	OH2...C6H5NH2			
C	-0.5048500	1.3243220	-0.5353140	N	-2.4319790	0.3691480	-0.0000240
C	-0.7178560	-1.0683330	-0.8515500	C	-1.1243200	-0.1302640	-0.0000150
H	-0.5906740	0.3602830	-2.4648640	H	-2.9596400	0.1612390	-0.8361440

H	-2.9596550	0.1612580	0.8360940
C	-0.4535000	-0.3864610	-1.2103310
C	-0.4535690	-0.3864280	1.2103160
C	0.8494550	-0.8840750	-1.2048950
H	-0.9615860	-0.1924190	-2.1531710
C	0.8493900	-0.8840440	1.2049240
H	-0.9616880	-0.1923680	2.1531360
C	1.5132160	-1.1375710	0.0000320
H	1.3488840	-1.0748160	-2.1518890
H	1.3488070	-1.0747740	2.1519250
H	2.5279280	-1.5251010	0.0000780
O	1.3697410	2.4364810	-0.0000030
H	1.0247110	1.5330560	0.0000000
H	0.5741330	2.9810930	-0.0000250

20

OH2...C6H5NHCH3

C	3.0583420	0.1989270	0.3710350
N	1.9866090	0.2024360	-0.6125960
H	2.8684330	0.9545930	1.1436120
H	3.1774090	-0.7777070	0.8712860
H	3.9941220	0.4580870	-0.1327550
C	0.7026330	-0.2133480	-0.2784080
H	2.2720030	-0.0601220	-1.5435630
C	0.2781880	-0.3380950	1.0600340
C	-0.2175460	-0.5244090	-1.3040440
C	-1.0219110	-0.7595900	1.3511960
H	0.9610550	-0.1067400	1.8710990
C	-1.5088910	-0.9429070	-0.9996310
H	0.0971160	-0.4324040	-2.3424180
C	-1.9261610	-1.0653780	0.3323800
H	-1.3257660	-0.8480430	2.3917570
H	-2.1965200	-1.1758040	-1.8093840
H	-2.9344780	-1.3938190	0.5673510
O	-1.6354470	2.4827420	-0.0053780
H	-1.3352720	1.5634210	0.0041290
H	-2.5887180	2.4083550	0.1147190

18

OH2...C6H5NHOH

N	1.9605400	0.3335890	0.5538950
C	0.6837630	-0.2042970	0.2604700
O	2.9815270	-0.0956000	-0.3762700

H	2.2823650	0.0134830	1.4639380
C	-0.2075160	-0.4237890	1.3256020
C	0.2552600	-0.4285410	-1.0559120
H	3.2886460	0.7446220	-0.7408520
C	-1.5136050	-0.8403270	1.0718550
H	0.1267760	-0.2603700	2.3486340
C	-1.0517120	-0.8574600	-1.2952870
H	0.9506450	-0.2807360	-1.8746620
C	-1.9459940	-1.0609850	-0.2402540
H	-2.1916240	-1.0047470	1.9056980
H	-1.3712910	-1.0345920	-2.3194000
H	-2.9616040	-1.3935030	-0.4353290
O	-1.6089990	2.4959720	-0.1939520
H	-1.3210890	1.5749630	-0.1336570
H	-0.8280020	2.9951760	0.0712940

17

OH2...C6H5NO2

N	1.9258300	-0.0375530	0.0006810
C	0.4655400	-0.3487420	0.0111110
O	2.4828340	0.1214870	1.0857450
O	2.4844010	0.0411360	-1.0923490
C	-0.1974510	-0.4448260	1.2359910
C	-0.1956950	-0.5348510	-1.2043120
C	-1.5619240	-0.7358970	1.2376130
H	0.3532950	-0.2931990	2.1569830
C	-1.5601800	-0.8253220	-1.1864430
H	0.3563810	-0.4514660	-2.1331800
C	-2.2431880	-0.9259730	0.0304570
H	-2.0922530	-0.8140490	2.1824660
H	-2.0891550	-0.9729080	-2.1237300
H	-3.3060380	-1.1524670	0.0380480
O	-1.5737610	2.6055080	-0.0993410
H	-1.3724680	1.6620920	-0.0643920
H	-0.7209810	3.0334940	0.0400930

16

OH2...C6H5NO

C	0.7572910	-0.3338060	-0.2127350
C	-0.1076640	-0.5476090	-1.2945810
C	0.2956800	-0.4199510	1.1119770
N	2.1272750	-0.0257460	-0.5795920
C	-1.4483220	-0.8508300	-1.0549590

H	0.2921120	-0.4709590	-2.3027170	H	-1.0648490	-0.3349210	-2.1094120
C	-1.0408840	-0.7223560	1.3433290	H	-2.7608380	0.4662280	-0.7967940
H	0.9970590	-0.2475490	1.9234030	C	1.4605940	-1.1681080	0.0318970
O	2.8921010	0.1629560	0.3531240	H	1.3699620	-0.9430040	2.1773440
C	-1.9121380	-0.9375960	0.2618100	H	1.2355590	-1.2655460	-2.1134040
H	-2.1291940	-1.0188120	-1.8848690	H	2.4675770	-1.5753750	0.0313580
H	-1.4166550	-0.7933750	2.3609470	O	1.3890650	2.3992500	-0.2317500
H	-2.9561700	-1.1736750	0.4519680	H	1.0278090	1.5059260	-0.1532820
O	-1.3153320	2.5959640	-0.0216890	H	1.0832620	2.8389030	0.5698790
H	-1.1000440	1.6550170	-0.0078590	19			
H	-0.4559690	3.0311100	-0.0642540	OH2...C6H5OCH3			
19				C	-2.9354580	0.1617900	-0.3381890
OH2...C6H5OCF3				O	-1.9514380	0.0167170	0.6876020
C	-2.0895410	0.0055180	0.0356980	H	-3.8663870	0.4164020	0.1745660
O	-1.0299990	-0.1918050	0.8590530	H	-2.6627360	0.9659370	-1.0374810
F	-3.1693220	0.1794610	0.8128670	H	-3.0631190	-0.7754740	-0.8996830
F	-1.9527070	1.1048320	-0.7524170	C	-0.6783070	-0.3068610	0.2975840
F	-2.3257960	-1.0494940	-0.7886040	C	0.2606170	-0.4406390	1.3350890
C	0.2663700	-0.4078630	0.3560520	C	-0.2786810	-0.5040430	-1.0331450
C	1.2297210	-0.5913890	1.3497320	C	1.5811310	-0.7675670	1.0404160
C	0.6045170	-0.4436830	-0.9977790	H	-0.0667700	-0.2843340	2.3591460
C	2.5562000	-0.8149300	0.9817930	C	1.0540250	-0.8324790	-1.3114570
H	0.9299250	-0.5569860	2.3925400	H	-0.9869160	-0.4057130	-1.8483400
C	1.9404050	-0.6691710	-1.3468080	C	1.9891260	-0.9662990	-0.2855930
H	-0.1415180	-0.3015260	-1.7691540	H	2.2979830	-0.8681830	1.8517540
C	2.9182760	-0.8549570	-0.3682390	H	1.3542870	-0.9833490	-2.3456430
H	3.3061310	-0.9577910	1.7549910	H	3.0207690	-1.2213400	-0.5111350
H	2.2088130	-0.6979740	-2.3993540	O	1.3891500	2.5582900	-0.2456390
H	3.9516810	-1.0291300	-0.6536000	H	1.1731330	1.6187520	-0.1712940
O	2.1486140	2.6188590	0.0503700	H	1.3433490	2.8738330	0.6641820
H	1.9837950	1.6671450	0.0343840	19			
H	1.2869960	3.0054820	-0.1445030	OH2...C6H5SCH3			
16				C	2.8955900	0.3675150	0.8160280
OH2...C6H5OH				S	2.0416420	-0.2099890	-0.6918290
C	-1.1378840	-0.1167320	0.0383240	H	3.9417130	0.5065610	0.5277510
C	-0.4510730	-0.2882470	1.2476720	H	2.4821570	1.3211760	1.1602150
C	-0.5265010	-0.4703050	-1.1722280	H	2.8331550	-0.3805010	1.6131700
O	-2.4085640	0.4025300	0.0998540	C	0.3548650	-0.4140710	-0.1514400
C	0.8418430	-0.8121170	1.2360570	C	-0.5682140	-0.8612220	-1.1160090
H	-0.9395320	-0.0091060	2.1767750	C	-0.0901800	-0.1582280	1.1545920
C	0.7691950	-0.9940480	-1.1696040	C	-1.9062190	-1.0462890	-0.7744460

H	-0.2358950	-1.0630370	-2.1317130
C	-1.4360830	-0.3478260	1.4852520
H	0.5993680	0.1869580	1.9170610
C	-2.3506310	-0.7911000	0.5286350
H	-2.6056580	-1.3921300	-1.5317170
H	-1.7648570	-0.1450460	2.5018330
H	-3.3947770	-0.9364620	0.7916490
O	-1.6431420	2.5177610	-0.6429570
H	-1.4541700	1.6016040	-0.3990930
H	-1.3169330	3.0259200	0.1080910

16

OH2...C6H5SH

C	-0.7151470	-0.3247320	-0.0081080
C	-0.0191450	-0.4572100	-1.2205540
C	-0.0317740	-0.5004240	1.2043710
S	-2.4575020	0.0659170	-0.0811650
C	1.3429630	-0.7616710	-1.2126140
H	-0.5390550	-0.3231070	-2.1659810
C	1.3311820	-0.8048460	1.2001870
H	-0.5613400	-0.4000340	2.1483530
H	-2.6651240	0.0870190	1.2506560
C	2.0262610	-0.9372510	-0.0051970
H	1.8705900	-0.8616040	-2.1578990
H	1.8485660	-0.9384120	2.1471140
H	3.0865750	-1.1741600	-0.0040110
O	1.3728860	2.5790270	0.0539560
H	1.1622060	1.6360150	0.0360530
H	0.5284830	3.0041970	-0.1358020

16
 FH...C6H5CCH
 C -0.4800890 0.7229370 0.0000000
 C -0.4800890 0.0081270 1.2156350
 C -0.4800890 0.0081270 -1.2156350
 C -0.4800890 2.1507310 0.0000000
 C -0.4800890 -1.3862480 1.2103870
 H -0.4800890 0.5569280 2.1527690
 C -0.4800890 -1.3862480 -1.2103870
 H -0.4800890 0.5569280 -2.1527690
 C -0.4800890 3.3626420 0.0000000
 C -0.4800890 -2.0876890 0.0000000
 H -0.4800890 -1.9272550 2.1532070
 H -0.4800890 -1.9272550 -2.1532070
 H -0.4800890 4.4293480 0.0000000
 H -0.4800890 -3.1746520 0.0000000
 F 2.6853490 -0.6868320 0.0000000
 H 1.7566860 -0.6868320 0.0000000
 17
 FH...C6H5CF3
 C -1.6701780 -0.0026130 -0.0000430
 C -0.1934700 -0.3290900 0.0000280
 F -2.0418340 0.7157010 1.0945950
 F -2.4320190 -1.1382050 -0.0000410
 F -2.0418010 0.7157280 -1.0945600
 C 0.4868610 -0.4794750 1.2135840
 C 0.4868800 -0.4795320 -1.2135470
 C 1.8498600 -0.7808130 1.2104240
 H -0.0472760 -0.3613660 2.1508190
 C 1.8498760 -0.7808680 -1.2104070
 H -0.0472670 -0.3614600 -2.1507820
 C 2.5326420 -0.9317910 0.0000250
 H 2.3773510 -0.8974120 2.1531610
 H 2.3774300 -0.8975230 -2.1530990
 H 3.5938530 -1.1664090 0.0000450
 F 1.8532320 2.4656440 -0.0000490
 H 1.6528840 1.5594410 -0.0000290
 18
 FH...C6H5CH2OH
 C 2.0928480 -0.0677500 -0.6229170
 C 0.6510570 -0.3387950 -0.2469700

O 2.8964570 0.1425280 0.5419760
 H 2.1264090 0.8176040 -1.2812880
 H 2.4733970 -0.9240900 -1.2062620
 C 0.2114660 -0.3691790 1.0807620
 C -0.2740300 -0.5674440 -1.2765150
 H 3.7962000 0.3088580 0.2420190
 C -1.1334980 -0.6246030 1.3715350
 H 0.9215930 -0.1932020 1.8817030
 C -1.6147280 -0.8220690 -0.9869270
 H 0.0597700 -0.5455890 -2.3129600
 C -2.0499840 -0.8515020 0.3428330
 H -1.4631360 -0.6456460 2.4075790
 H -2.3191520 -0.9972790 -1.7964330
 H -3.0939680 -1.0496100 0.5721580
 F -1.3153040 2.4847720 -0.0852380
 H -1.1338220 1.5738290 -0.0459980
 17
 FH...C6H5CH3
 C -2.5535080 0.1847140 -0.0000160
 C -1.0974310 -0.2209640 0.0001400
 H -2.7995260 0.7752030 0.8897590
 H -3.2064090 -0.6995840 -0.0000480
 H -2.7992870 0.7752380 -0.8897950
 C -0.4050800 -0.4138510 1.2043830
 C -0.4052250 -0.4138290 -1.2042320
 C 0.9411070 -0.7889130 1.2073900
 H -0.9280720 -0.2681330 2.1476650
 C 0.9409360 -0.7888830 -1.2075110
 H -0.9283920 -0.2680760 -2.1474100
 C 1.6196510 -0.9779700 -0.0001010
 H 1.4597480 -0.9334040 2.1521910
 H 1.4593810 -0.9333340 -2.1524210
 H 2.6667920 -1.2697150 -0.0001520
 F 1.1082570 2.4235510 -0.0000110
 H 0.8587520 1.5280190 -0.0000040
 16
 FH...C6H5CHO
 C 0.7456810 -0.3254410 -0.1943750
 C 0.2527340 -0.3936960 1.1207280
 C -0.1202170 -0.5369600 -1.2778800
 C 2.1749970 -0.0317690 -0.4606640

C	-1.0934430	-0.6710870	1.3418480	H	0.1572410	2.2313110	0.0151330
H	0.9416760	-0.2264510	1.9440120	C	-1.5536630	-1.1216120	-0.9360960
C	-1.4698920	-0.8150430	-1.0551140	H	0.3967550	-1.9962580	-0.7219650
H	0.2731180	-0.4815330	-2.2915520	C	-2.3136160	0.0492920	-0.8657250
O	3.0217120	0.1694220	0.3898440	H	-2.2921860	2.1718100	-0.4683260
H	2.4369060	-0.0059660	-1.5468990	H	-2.0263130	-2.0636300	-1.2017980
C	-1.9548290	-0.8817470	0.2549970	H	-3.3796600	0.0188130	-1.0769860
H	-1.4792770	-0.7249040	2.3566420	F	-1.5296610	-0.4752830	2.4561740
H	-2.1410230	-0.9789620	-1.8940640	H	-1.3566490	-0.3090820	1.5591610
H	-3.0054690	-1.0981080	0.4324670	20			
F	-1.2600850	2.5002570	-0.0521110	FH...C6H5COOCH3			
H	-1.0690480	1.5926870	-0.0276070	C	3.6235730	-0.5794200	-0.0762950
15				O	2.2055990	-0.6621900	-0.3559220
FH...C6H5CN				H	3.7922090	-0.4711910	1.0002250
C	-0.4825070	0.7348190	0.0000000	H	4.0630510	0.2788520	-0.5952130
C	-0.4825070	0.0325410	-1.2197460	H	4.0446750	-1.5167930	-0.4454840
C	-0.4825070	0.0325410	1.2197460	C	1.4793620	0.4243850	0.0316090
C	-0.4825070	2.1678790	0.0000000	C	0.0249700	0.2756460	-0.2852140
C	-0.4825070	-1.3616470	-1.2125040	O	1.9720340	1.3960140	0.5720250
H	-0.4825070	0.5836030	-2.1551330	C	-0.8319060	1.3317730	0.0658260
C	-0.4825070	-1.3616470	1.2125040	C	-0.5048830	-0.8652290	-0.9115070
H	-0.4825070	0.5836030	2.1551330	C	-2.1968900	1.2489970	-0.2048080
N	-0.4825070	3.3307560	0.0000000	H	-0.4086660	2.2068680	0.5490730
C	-0.4825070	-2.0594470	0.0000000	C	-1.8717640	-0.9438610	-1.1805150
H	-0.4825070	-1.9041970	-2.1538610	H	0.1530260	-1.6830320	-1.1842830
H	-0.4825070	-1.9041970	2.1538610	C	-2.7197690	0.1111410	-0.8284980
H	-0.4825070	-3.1462670	0.0000000	H	-2.8536190	2.0703030	0.0698150
F	2.6982820	-0.6638070	0.0000000	H	-2.2760260	-1.8287690	-1.6651530
H	1.7708350	-0.6638070	0.0000000	H	-3.7842930	0.0465790	-1.0395640
19				F	-1.8308570	-1.1384460	2.2748700
FH...C6H5COCH3				H	-1.6898650	-0.7479990	1.4443390
C	2.7349140	-1.0643250	-0.0983200	17			
C	1.9112720	0.2159370	-0.0199700	FH...C6H5COOH			
H	3.7745910	-0.8351220	0.1446760	C	0.4534520	-0.3359240	0.0199540
H	2.3453710	-1.8149320	0.6014290	C	1.9146950	-0.0683680	-0.1172750
H	2.6743960	-1.4988610	-1.1044610	C	-0.2695490	-0.6437780	-1.1446740
C	0.4399330	0.1298180	-0.3197120	C	-0.2109620	-0.2902800	1.2574600
O	2.4360190	1.2789700	0.2782020	O	2.5201000	0.2207470	1.0780090
C	-0.3355570	1.3013090	-0.2522290	O	2.5341330	-0.0955160	-1.1628030
C	-0.1846900	-1.0813080	-0.6645870	C	-1.6368830	-0.9021960	-1.0728590
C	-1.7010510	1.2611780	-0.5230350	H	0.2583380	-0.6750490	-2.0928130

C	-1.5800150	-0.5497680	1.3241310	22			
H	0.3442240	-0.0529130	2.1585700	FH...C6H5NCH32			
H	3.4555050	0.3747010	0.8685110	C	2.5247900	1.2434060	0.0479760
C	-2.2946920	-0.8557110	0.1614450	N	1.7713450	-0.0005560	0.1359980
H	-2.1908900	-1.1397900	-1.9771890	H	2.5405800	1.6559560	-0.9757830
H	-2.0899810	-0.5134210	2.2832010	H	3.5533120	1.0612770	0.3701550
H	-3.3615830	-1.0574380	0.2168390	H	2.0944110	2.0021210	0.7131120
F	-1.5283010	2.4840380	-0.3476290	C	2.5241740	-1.2441670	0.0387170
H	-1.3510540	1.5818830	-0.2191910	C	0.4272540	0.0012600	-0.2247050
14				H	2.5432730	-1.6474540	-0.9892590
FH...C6H5F				H	2.0910230	-2.0085730	0.6954090
C	-0.5124000	1.0043260	0.0000000	H	3.5516860	-1.0658150	0.3662370
C	-0.5124000	0.3342190	1.2202800	C	-0.2855670	-1.2076290	-0.4227440
C	-0.5124000	0.3342190	-1.2202800	C	-0.2855580	1.2123170	-0.4092490
F	-0.5124000	2.3640970	0.0000000	C	-1.6320170	-1.1957250	-0.7840230
C	-0.5124000	-1.0640070	1.2102750	H	0.2085990	-2.1637000	-0.2954550
H	-0.5124000	0.9015270	2.1458150	C	-1.6319830	1.2044920	-0.7706310
C	-0.5124000	-1.0640070	-1.2102750	H	0.2087370	2.1668390	-0.2712740
H	-0.5124000	0.9015270	-2.1458150	C	-2.3231370	0.0054180	-0.9628010
C	-0.5124000	-1.7647860	0.0000000	H	-2.1437680	-2.1448530	-0.9266530
H	-0.5124000	-1.6042880	2.1532880	H	-2.1437220	2.1551590	-0.9026650
H	-0.5124000	-1.6042880	-2.1532880	H	-3.3721930	0.0070250	-1.2443260
H	-0.5124000	-2.8510910	0.0000000	F	-1.7680240	-0.0135330	2.4331870
F	2.6548630	-0.3700060	0.0000000	H	-1.5268700	-0.0085220	1.5345920
H	1.7262230	-0.3700060	0.0000000	16			
14				FH...C6H5NH2			
FH...C6H5H				N	-2.4463780	0.3388630	-0.0000250
C	0.0000000	1.3988300	-0.5895920	C	-1.1268070	-0.1281650	-0.0000150
C	-1.2114220	0.6994150	-0.5895920	H	-2.9687550	0.1180080	-0.8361440
C	1.2114220	0.6994150	-0.5895920	H	-2.9687690	0.1180330	0.8360940
H	0.0000000	2.4861320	-0.5895920	C	-0.4498750	-0.3677550	-1.2103300
C	-1.2114220	-0.6994150	-0.5895920	C	-0.4499450	-0.3677140	1.2103170
H	-2.1530540	1.2430660	-0.5895920	C	0.8649490	-0.8331020	-1.2048920
C	1.2114220	-0.6994150	-0.5895920	H	-0.9625900	-0.1862990	-2.1531700
H	2.1530540	1.2430660	-0.5895920	C	0.8648830	-0.8330630	1.2049270
C	0.0000000	-1.3988300	-0.5895920	H	-0.9626930	-0.1862340	2.1531370
H	-2.1530540	-1.2430660	-0.5895920	C	1.5347570	-1.0701550	0.0000360
H	2.1530540	-1.2430660	-0.5895920	H	1.3689280	-1.0114790	-2.1518860
H	0.0000000	-2.4861320	-0.5895920	H	1.3688500	-1.0114220	2.1519280
F	0.0000000	0.0000000	2.5691900	H	2.5587120	-1.4325570	0.0000830
H	0.0000000	0.0000000	1.6401350	F	1.2573450	2.3696250	-0.0000130

H	0.9470870	1.4930020	-0.0000070	16			
19				FH...C6H5NO2			
FH...C6H5NHCH3				N	0.4174940	1.8881230	0.0000000
C	3.0449590	0.0905180	0.3686340	C	0.4174940	0.3950070	0.0000000
N	1.9723810	0.1535920	-0.6120570	O	0.4174940	2.4584490	1.0897880
H	2.8864130	0.8393210	1.1548460	O	0.4174940	2.4584490	-1.0897880
H	3.1263580	-0.8987260	0.8513500	C	0.4174940	-0.2819890	1.2209820
H	3.9892950	0.3214770	-0.1329020	C	0.4174940	-0.2819890	-1.2209820
C	0.6736330	-0.2171400	-0.2819610	C	0.4174940	-1.6771400	1.2128530
H	2.2454840	-0.1035270	-1.5482140	H	0.4174940	0.2818170	2.1465410
C	0.2470730	-0.3486810	1.0551570	C	0.4174940	-1.6771400	-1.2128530
C	-0.2599870	-0.4735690	-1.3105610	H	0.4174940	0.2818170	-2.1465410
C	-1.0680900	-0.7237230	1.3421740	C	0.4174940	-2.3746090	0.0000000
H	0.9400270	-0.1587500	1.8684230	H	0.4174940	-2.2186980	2.1545630
C	-1.5662600	-0.8461960	-1.0102650	H	0.4174940	-2.2186980	-2.1545630
H	0.0561400	-0.3757130	-2.3479550	H	0.4174940	-3.4613510	0.0000000
C	-1.9855720	-0.9756330	0.3204450	F	-2.7647040	-0.9829770	0.0000000
H	-1.3732730	-0.8184950	2.3817900	H	-1.8372820	-0.9829770	0.0000000
H	-2.2640290	-1.0375030	-1.8222330	15			
H	-3.0056170	-1.2682070	0.5521730	FH...C6H5NO			
F	-1.5175640	2.4286410	0.0432500	C	0.7654130	-0.3125790	-0.2101800
H	-1.2639270	1.5337570	0.0361270	C	-0.0997610	-0.5358500	-1.2899370
17				C	0.3032910	-0.3836940	1.1152450
FH...C6H5NHOH				N	2.1361740	-0.0114890	-0.5799080
N	1.9706740	0.3287560	0.5598870	C	-1.4411560	-0.8335100	-1.0474800
C	0.6878190	-0.1903240	0.2591930	H	0.3004280	-0.4707470	-2.2987210
O	2.9858750	-0.0957130	-0.3787390	C	-1.0340050	-0.6806360	1.3494250
H	2.2900880	-0.0100590	1.4639870	H	1.0048620	-0.2043100	1.9249910
C	-0.2045310	-0.4180750	1.3216920	O	2.9011990	0.1853320	0.3509650
C	0.2553770	-0.3877670	-1.0601900	C	-1.9054820	-0.9053250	0.2700090
H	3.3016250	0.7471620	-0.7295670	H	-2.1222040	-1.0087150	-1.8757500
C	-1.5153390	-0.8161820	1.0627490	H	-1.4101790	-0.7400610	2.3676370
H	0.1327050	-0.2754950	2.3468710	H	-2.9500880	-1.1370370	0.4623730
C	-1.0564320	-0.7984860	-1.3049700	F	-1.2720260	2.4972600	-0.0474260
H	0.9513580	-0.2337210	-1.8772810	H	-1.0671980	1.5928570	-0.0245370
C	-1.9516230	-1.0100700	-0.2522960	18			
H	-2.1941180	-0.9872820	1.8946280	FH...C6H5OCF3			
H	-1.3791050	-0.9549150	-2.3314810	C	-2.0965930	0.0143810	0.0349980
H	-2.9709940	-1.3282920	-0.4515560	O	-1.0355620	-0.1609120	0.8614150
F	-1.5372210	2.4121790	-0.1404680	F	-3.1766260	0.1993650	0.8092620
H	-1.2699050	1.5228300	-0.0977560	F	-1.9654460	1.0977540	-0.7758300

F	-2.3285040	-1.0585700	-0.7670830	C	-1.5944470	-0.8256010	-0.9736990
C	0.2614460	-0.3813140	0.3619580	H	0.0736250	-0.5370320	-2.3236630
C	1.2263430	-0.5397300	1.3584540	C	-1.0856690	-0.6268590	1.3747070
C	0.5988020	-0.4436020	-0.9911110	H	0.9608670	-0.1861860	1.8780090
C	2.5535910	-0.7646750	0.9941610	C	-2.0163650	-0.8586900	0.3623950
H	0.9271250	-0.4851240	2.4005650	H	-2.3077000	-1.0042800	-1.7747060
C	1.9354810	-0.6700580	-1.3364650	H	-1.3966990	-0.6489730	2.4164510
H	-0.1484320	-0.3209290	-1.7646670	H	-3.0552760	-1.0623700	0.6060790
C	2.9148980	-0.8309810	-0.3550420	F	-1.3054650	2.4855360	-0.0774070
H	3.3047260	-0.8879980	1.7695520	H	-1.1184960	1.5755370	-0.0409010
H	2.2032790	-0.7194140	-2.3884030	18			
H	3.9489030	-1.0062210	-0.6375610	FH...C6H5SCH3			
F	2.1074420	2.5171440	-0.0073390	C	2.9035230	0.3061350	0.8323330
H	1.9532960	1.6016190	-0.0036250	S	2.0380350	-0.1756690	-0.7023220
15				H	3.9507030	0.4468940	0.5487600
FH...C6H5OH				H	2.5039090	1.2447600	1.2300160
C	1.1265200	-0.1657320	-0.0252990	H	2.8329780	-0.4838950	1.5871420
C	0.4414500	-0.3927000	-1.2264700	C	0.3500180	-0.3867230	-0.1685230
C	0.4815670	-0.3762890	1.2010540	C	-0.5814600	-0.7674880	-1.1532970
O	2.4292840	0.2627440	-0.1105220	C	-0.0882270	-0.1975260	1.1510920
C	-0.8833280	-0.8284840	-1.1909380	C	-1.9209820	-0.9532340	-0.8181090
H	0.9561450	-0.2246190	-2.1680550	H	-0.2544670	-0.9172830	-2.1796780
C	-0.8458400	-0.8129570	1.2223460	C	-1.4357350	-0.3870880	1.4751700
H	1.0187160	-0.1983430	2.1317880	H	0.6078520	0.0957330	1.9292060
H	2.7764220	0.3781300	0.7829620	C	-2.3586100	-0.7645360	0.4985220
C	-1.5357310	-1.0415000	0.0291360	H	-2.6269470	-1.2473030	-1.5910370
H	-1.4099340	-1.0029670	-2.1259790	H	-1.7591690	-0.2364260	2.5024680
H	-1.3381240	-0.9736460	2.1782740	H	-3.4039620	-0.9102310	0.7565150
H	-2.5674000	-1.3808780	0.0482710	F	-1.5840920	2.4615910	-0.4634200
F	-1.1868410	2.3889310	-0.0023220	H	-1.4137750	1.5668860	-0.2785810
H	-0.8963600	1.5059680	-0.0011530	15			
18				FH...C6H5SH			
FH...C6H5OCH3				C	-0.7226380	-0.3028800	-0.0036510
C	2.9328210	0.1569160	0.3310410	C	-0.0271330	-0.4587160	-1.2136020
O	1.9529550	-0.0849810	-0.6803620	C	-0.0378330	-0.4509460	1.2117040
H	3.8730700	0.3288450	-0.1988130	S	-2.4662340	0.0808440	-0.0835060
H	2.6740870	1.0432420	0.9289710	C	1.3359060	-0.7587980	-1.2003570
H	3.0344910	-0.7108860	0.9993390	H	-0.5481520	-0.3461140	-2.1612220
C	0.6698580	-0.3320530	-0.2676920	C	1.3260450	-0.7512390	1.2128270
C	-0.2645770	-0.5651180	-1.2916080	H	-0.5670040	-0.3323310	2.1537920
C	0.2563080	-0.3632390	1.0729880	H	-2.6729330	0.1293270	1.2477430

C	2.0206310	-0.9068580	0.0099360
H	1.8631340	-0.8769880	-2.1437550
H	1.8445360	-0.8632810	2.1619370
H	3.0816660	-1.1404630	0.0152510
F	1.3288380	2.4820210	-0.0040820
H	1.1290810	1.5747710	-0.0020560