Molecule	#	Iso	Abundance	Q(296K)	gj	Molar Mass(g)	
H2O (1)							
	161		9.97317E-01	1.7458E+02	1	18.010565	
	181		1.99983E-03	1.7605E+02	1	20.014811	
	171		3.71884E-04	1.0521E+03	6	19.014780	
	162		3.10693E-04	8.6474E+02	6	19.016740	
	182		6.23003E-07	8.7557E+02	6	21.020985	
	172		1.15853E-07	5.2268E+03	36	20.020956	
	262		2.41970E-08	1.0278E+03	1	20.022915	
CO2 (2)							
	626		9.84204E-01	2.8609E+02	1	43.989830	1
	636		1.10574E-02	5.7664E+02	2	44.993185	2
	628		3.94707E-03	6.0781E+02	1	45.994076	3
	627		7.33989E-04	3.5426E+03	6	44.994045	4
	638		4.43446E-05	1.2255E+03	2	46.997431	5
	637		8.24623E-06	7.1413E+03	12	45.997400	6
	828		3.95734E-06	3.2342E+02	1	47.998322	7
	827		1.47180E-06	3.7666E+03	6	46.998291	8
	727		1.36847E-07	1.0972E+04	1	45.998262	9
	838		4.44600E-08	6.5224E+02	2	49.001675	0
	837		1.65354E-08	7.5950E+03	12	48.001646	11 A
	737		1.537500-09	2.2120E+04	2	47.001618	12 B (added by me from web table)
O3 (3)							
	666		9.92901E-01	3.4837E+03	1	47.984745	
	668		3.98194E-03	7.4657E+03	1	49.988991	
	686		1.99097E-03	3.6471E+03	1	49.988991	
	667		7.40475E-04	4.3331E+04	6	48.988960	
	676		3.70237E-04	2.1405E+04	6	48.988960	
N2O (4)							
	446		9.90333E-01	4.9849E+03	9	44.001062	
	456		3.64093E-03	3.3620E+03	6	44.998096	
	546		3.64093E-03	3.4586E+03	6	44.998096	
	448		1.98582E-03	5.3147E+03	9	46.005308	
	447		3.69280E-04	3.0972E+04	54	45.005278	
CO (5)							
	26		9.86544E-01	1.0742E+02	1	27.994915	
	36		1.10836E-02	2.2469E+02	2	28.998270	
	28		1.97822E-03	1.1277E+02	1	29.999161	
	27		3.67867E-04	6.6117E+02	6	28.999130	
	38		2.22250E-05	2.3644E+02	2	31.002516	
	37		4.13292E-06	1.3847E+03	12	30.002485	
CH4 (6)							
	211		9.88274E-01	5.9048E+02	1	16.031300	
	311		1.11031E-02	1.1808E+03	2	17.034655	
	212		6.15751E-04	4.7947E+03	3	17.037475	
	312		6.91785E-06	9.5992E+03	6	18.040830	
O2 (7)							
	66		9.95262E-01	2.1573E+02	1	31.989830	
	68		3.99141E-03	4.5523E+02	1	33.994076	
	67		7.42235E-04	2.6581E+03	6	32.994045	
NO (8)							
	46		9.93974E-01	1.1421E+03	3	29.997989	
	56		3.65431E-03	7.8926E+02	2	30.995023	
	48		1.99312E-03	1.2044E+03	3	32.002234	
SO2 (9)							
	626		9.45678E-01	6.3403E+03	1	63.961901	
	646		4.19503E-02	6.3690E+03	1	65.957695	
NO2 (10)							

	646	9.91616E-01	1.3577E+04	3	45.992904
NH3 (11)					
	4111	9.95872E-01	1.7252E+03	3	17.026549
	5111	3.66129E-03	1.1533E+03	2	18.023583
HNO3 (12)					
	146	9.89110E-01	2.1393E+05	6	62.995644
	156	3.63600E-03	1.4313E+05	4	63.992680
OH (13)					
	61	9.97473E-01	8.0348E+01	2	17.002740
	81	2.00014E-03	8.0882E+01	2	19.006986
	62	1.55371E-04	2.0932E+02	3	18.008915
HF (14)					
	19	9.99844E-01	4.1469E+01	4	20.006229
	29	1.55741E-04	1.1591E+02	6	21.012404
HCl (15)					
	15	7.57587E-01	1.6065E+02	8	35.976678
	17	2.42257E-01	1.6089E+02	8	37.973729
	25	1.18005E-04	4.6278E+02	12	36.982853
	27	3.77350E-05	4.6413E+02	12	38.979904
HBr (16)					
	19	5.06781E-01	2.0017E+02	8	79.926160
	11	4.93063E-01	2.0023E+02	8	81.924115
	29	7.89384E-05	5.8640E+02	12	80.932336
	21	7.68016E-05	5.8676E+02	12	82.930289
HI (17)					
	17	9.99844E-01	3.8899E+02	12	127.912297
	27	1.55741E-04	1.1471E+03	18	128.918472
ClO (18)					
	56	7.55908E-01	3.2746E+03	4	50.963768
	76	2.41720E-01	3.3323E+03	4	52.960819
OCS (19)					
	622	9.37395E-01	1.2210E+03	1	59.966986
	624	4.15828E-02	1.2535E+03	1	61.962780
	632	1.05315E-02	2.4841E+03	2	60.970341
	623	7.39908E-03	4.9501E+03	4	60.966371
	822	1.87967E-03	1.3138E+03	1	61.971231
H2CO (20)					
	126	9.86237E-01	2.8445E+03	1	30.010565
	136	1.10802E-02	5.8377E+03	2	31.013920
	128	1.97761E-03	2.9864E+03	1	32.014811
HOCl (21)					
	165	7.55790E-01	1.9275E+04	8	51.971593
	167	2.41683E-01	1.9616E+04	8	53.968644
N2 (22)					
	44	9.92687E-01	4.6710E+02	1	28.006148
	45	7.47809E-03	6.4410E+02	6	29.003182
HCN (23)					
	124	9.85114E-01	8.9220E+02	6	27.010899
	134	1.10676E-02	1.8310E+03	12	28.014254
	125	3.62174E-03	6.1528E+02	4	28.007933
CH3Cl (24)					
	215	7.48937E-01	5.7916E+04	4	49.992328
	217	2.39491E-01	5.8834E+04	4	51.989379
H2O2 (25)					
	1661	9.94952E-01	9.8480E+03	1	34.005480
C2H2 (26)					
	1221	9.77599E-01	4.1245E+02	1	26.015650
	1231	2.19663E-02	1.6562E+03	8	27.019005
	1222	3.04550E-04	1.5818E+03	6	27.021825

C2H6 (27)					
1221	9.76990E-01	7.0883E+04	1	30.046950	
1231	2.19526E-02	3.6192E+04	2	31.050305	
PH3 (28)					
1111	9.99533E-01	3.2494E+03	2	33.997238	
COF2 (29)					
269	9.86544E-01	7.0028E+04	1	65.991722	
369	1.10834E-02	1.4006E+05	2	66.995083	
SF6 (30)					
29	.950180E+00	1.6233E+06	1	145.962492	
H2S (31)					
121	9.49884E-01	5.0579E+02	1	33.987721	
141	4.21369E-02	5.0435E+02	1	35.983515	
131	7.49766E-03	2.0149E+03	4	34.987105	
HCOOH (32)					
126	9.83898E-01	3.9133E+04	4	46.005480	
HO2 (33)					
166	9.95107E-01	4.3004E+03	2	32.997655	
O (34)					
6	9.97628E-01	6.7212E+00	1	15.994915	
ClONO2 (35)					
5646	.749570E+00	4.7884E+06	12	96.956672	
7646	.239694E+00	4.9102E+06	12	98.953723	
NO+ (36)					
46	9.93974E-01	3.1169E+02	3	29.997989	
HOBr (37)					
169	5.05579E-01	2.8339E+04	8	95.921076	
161	4.91894E-01	2.8238E+04	8	97.919027	
C2H4 (38)					
221	9.77294E-01	1.1042E+04	1	28.031300	
231	2.19595E-02	4.5197E+04	2	29.034655	
CH3OH (39)					
2161	9.85930E-01	7.0570E+04	2	32.026215	
CH3Br (40)					
219	5.00995E-01	8.3052E+04	4	93.941811	
211	4.87433E-01	8.3395E+04	4	95.939764	
CH3CN (41)					
2124	9.73866E-01	8.8672E+04	3	41.026549	
CF4 (42)					
29	9.88890E-01	1.2127E+05	1	87.993616	
C4H2 (43)					
2211	9.55998E-01	9.8190E+03	1	50.015650	
HC3N (44)					
1224	9.63346E-01	2.4787E+04	6	51.010899	
H2 (45)					
11	9.99688E-01	7.6712E+00	1	2.015650	
12	3.11432E-04	2.9874E+01	6	3.021825	
CS (46)					
22	9.39624E-01	2.5362E+02	1	43.971036	
24	4.16817E-02	2.5777E+02	1	45.966787	
32	1.05565E-02	5.3750E+02	2	44.974368	
23	7.41668E-03	1.0230E+03	4	44.970399	
SO3 (47)					
26	9.43400E-01	7.7833E+03	1	79.956820	
C2N2 (48)					
4224	9.70752E-01	1.5582E+04	1	52.006148	
COCl2 (49)					
2655	5.66392E-01	1.4800E+06	1	97.932620	
2657	3.62235E-01	3.0435E+06	16	99.929670	