

Species Tag:	42002	Name:	CH <sub>2</sub> CO
Version:	1		Ketene
Date:	Jan. 1980		
Contributor:	R. L. Poynter		
Lines Listed:	835	Q(300.0)=	10322.862
Freq. (GHz) <	592	Q(225.0)=	6634.375
Max. J:	29	Q(150.0)=	3433.998
LOGSTR0=	-16.7	Q(75.00)=	1285.879
LOGSTR1=	-17.1	Q(37.50)=	457.088
Isotope Corr.:	0.	Q(18.75)=	157.217
Egy. (cm <sup>-1</sup> ) >	0.0	Q(9.375)=	47.577
$\mu_a$ =	1.422	A=	282473.
$\mu_b$ =		B=	10293.80
$\mu_c$ =		C=	9916.38

The experimental measurements were analyzed using the methods described in W. H. Kirchhoff, 1972, *J. Mol. Spect.* **41**, 333. The measurements were taken from: B. Fabricant, D. Krieger, and J. S. Muentner, 1977, *J. Chem. Phys.* **67**, 1576. J. W. C. Johns, J. M. R. Stone, and G. Winnewisser, 1972, *J. Mol. Spect.* **42**, 523. H. R. Johnson and M. W. P. Strandberg, 1952, *J. Chem. Phys.* **20**, 687.

The dipole moment was reported by Johnson (above) and B. Fabricant *et al.* (above).