

Species Tag:	44001	Name:	CS
Version:	2		Carbon monosulfide
Date:	Jan. 1984		
Contributor:	R. L. Poynter		

Lines Listed:	51	Q(300.0)=	255.505
Freq. (GHz) <	2476	Q(225.0)=	191.823
Max. J:	51	Q(150.0)=	127.968
LOGSTR0=	-3.6	Q(75.00)=	64.150
LOGSTR1=	-4.7	Q(37.50)=	32.240
Isotope Corr.:	-0.022	Q(18.75)=	16.285
Egy. (cm <sup>-1</sup> ) >	0.0	Q(9.375)=	8.316
$\mu_a$ =	1.957	A=	
$\mu_b$ =		B=	24495.562
$\mu_c$ =		C=	

The experimental data were taken from: R. Kewley, K. V. L. N. Sastry, M. Winnewisser, and W. Gordy, 1963, *J. Chem. Phys.* **39**, 2856. R. C. Mockler and G. R. Bird, 1955, *Phys. Rev.* **98**, 1837. M. Bogey, C. Demuynck, and J. L. Destombes, 1982, *J. Mol. Spect.* **95**, 35.

The maximum J and frequency were limited by the estimated uncertainty in the predicted lines. The dipole moment is from G. Winnewisser and R. L. Cook, 1968, *J. Mol. Spect.* **28**, 266.