

Species Tag:	46001	Name:	CS-34
Version:	2		Carbon monosulfide,
Date:	Jan. 1984		<sup>34</sup> S isotope
Contributor:	R. L. Poynter		
Lines Listed:	34	Q(300.0)=	259.657
Freq. (GHz) <	1633	Q(225.0)=	194.940
Max. J:	34	Q(150.0)=	130.047
LOGSTR0=	-3.6	Q(75.00)=	65.178
LOGSTR1=	-2.5	Q(37.50)=	32.757
Isotope Corr.:	-1.376	Q(18.75)=	16.546
Egy. (cm <sup>-1</sup> ) >	0.0	Q(9.375)=	8.447
$\mu_a$ =	1.957	A=	
$\mu_b$ =		B=	24103.541
$\mu_c$ =		C=	

The experimental measurements were reported by R. C. Mockler and G. R. Bird, 1955, Phys. Rev. **98**, 1837, and M. Bogey, C. Demuyneck, and J. L. Destombes, 1982, J. Mol. Spect. **95**, 35. The dipole moment was assumed to be the same as for the parent species. The maximum J and frequency were limited by the estimated uncertainty in the predicted lines.