

Species Tag:	53007	Name:	C2H3NC
Version:	1		Vinyl isocyanide
Date:	Sept. 1995		
Contributor:	J. C. Pearson		

Lines Listed:	9362	Q(300.0)=	22773.670
Freq. (GHz) <	1000	Q(225.0)=	15271.762
Max. J:	60	Q(150.0)=	8437.069
LOGSTR0=	-10.0	Q(75.00)=	2987.428
LOGSTR1=	-10.0	Q(37.50)=	1056.547
Isotope Corr.:	0	Q(18.75)=	374.187
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	132.824
μ_a =	3.47	A=	51479.46
μ_b =	0.79	B=	5386.65
μ_c =		C=	4868.94

The experimental measurements were analyzed using the methods described in W. H. Kirchhoff, 1972, *J. Mol. Spect.* **41**, 333. The measurements were taken from: K. Yamada and M. Winnewisser, 1975, *Z. Naturforsch.* **30a**, 672-689. G. Bestmann and H. Dreizler, 1981, *Z. Naturforsch.* **37a**, 58-63.

The dipole moment was measured by K. Bolton, N. L. Owen, and J. Sheridan, 1970, *Spectrochim. Acta* **26 A**, 909.