

Species Tag:	124001	Name:	C9O
Version:	1		Nonacarbon monoxide
Date:	May 1996		X $^1\Sigma^+$
Contributor:	H. S. P. Müller		

Lines Listed:	100	Q(300.0)=	21237.3998
Freq. (GHz) <	59	Q(225.0)=	15958.1034
Max. J:	100	Q(150.0)=	10641.4691
LOGSTR0=	-8.0	Q(75.00)=	5320.7441
LOGSTR1=	-3.5	Q(37.50)=	2660.4931
Isotope Corr.:		Q(18.75)=	1330.4018
Egy. ( $\text{cm}^{-1}$ ) >	0.0	Q(9.375)=	665.3648
$\mu_a =$	5.421	A=	
$\mu_b =$		B=	293.7361
$\mu_c =$		C=	

The data were taken from T. Ogata, Y. Ohshima, and Y. Endo, 1995, J. Am. Chem. Soc. **117** 3593.

The dipole moment is from an *ab initio* calculation: N. Moazzen-Ahmadi and F. Zerbetto, 1995, J. Chem. Phys. **103**, 6343.

The partition function has been calculated up to  $J = 360$  because of the low rotational constant.