Species Tag:	60006	Name:	HCOCH2OH
Version:	1		Glycolaldehyde
Date:	April. 2005		g.s. and 3 vibs
Contributor:	B.J. Drouin		
	S.L. Widicus Weaver		
Lines Listed:	73527	Q(300.0)=	68163.1660
Freq. (GHz) <	1227.19	Q(225.0)=	37593.5360
Max. J:	98	Q(150.0)=	16320.8128
LOGSTR0=	-9.9	Q(75.00)=	4632.3544
LOGSTR1=	-9.9	Q(37.50)=	1587.6367
Isotope Corr.:		Q(18.75)=	562.0800
Egy. (cm^{-1}) >	0	Q(9.375)=	199.5575
μ_a =	0.12	A=	18446.2607
μ_b =	2.73	B=	6525.9964
μ_c =	0.00	C=	4969.2358

The observed laboratory frequency measurements were taken from: Marstokk K. M., & Mollendal H. 1970, J. Mol. Struct. 5, 205; Marstokk K. M., & Mollendal H. 1973, J. Mol. Struct. 16, 259; Butler, R. A. H., De Lucia, F. C., Petkie, D. T., Mollendal, H., Horn, A., & Herbst, E. 2001, ApJ, 134, 319; and S. L. Widicus Weaver, R. A. H. Butler, B. J. Drouin, D. T. Petkie, K. A. Dyl, F. C. De Lucia, G. A. Blake, ApJS, in press. The dipole moment is taken from Marstokk and Mollendal. The partition function is calculated numerically for the ground state and included vibrational states. The analysis includes all significantly thermally populated vibrational states.