

Species Tag:	98001	Name:	H2SO4
Version:	4		Sulfuric acid
Date:	May 26, 2013		
Contributor:	E. A. Cohen		
	B. J. Drouin		
Lines Listed:	42913	Q(300.0)=	155781.8870
Freq. (GHz) <	1000	Q(225.0)=	101263.9235
Max. J:	99	Q(150.0)=	55115.9292
LOGSTR0=	-12.0	Q(75.00)=	19488.0808
LOGSTR1=	-8.0	Q(37.50)=	6894.5189
Isotope Corr.:	-0.022	Q(18.75)=	2441.3042
Egy. (cm <sup>-1</sup> ) >	0.0	Q(9.375)=	865.8732
$\mu_a$ =		A=	5160.581
$\mu_b$ =		B=	5024.549
$\mu_c$ =	2.9643	C=	4881.023

Frequencies from:

- (1) G. Sedo, J. Schultz, K.R. Leopold, J. Mol. Spectrosc. 251 (2008) 4-8.
- (2) Kuczkowski et al JACS 103 (1981) 2561
- (3) Cohen and Drouin JMS 288, 67-69 (2013)

are analyzed with a prolate rotor basis using the symmetric reduction of distortion constants. The dipole moment is from Sedo *et al* it is 10% larger than the value previously used.