

Wavenum. (cm ⁻¹)	λ @ 15°C (Å)	λ @ 21°C (Å)	λ @ RT (Å)	σ_{\max} (10 ⁻²⁵ cm ² /molecule)	S (10 ⁻²⁷ cm/molecule)	$\gamma_{\text{self}}^{\text{HWHM}}$ (MHz/Torr)	$\gamma_{\text{self}}^{\text{HWHM}}$ (cm ⁻¹ /atm)
11590.72	8625.22	8625.27	8625.25	0.3 ± 0.1			
11591.20	8624.87	8624.91	8624.87	0.2 ± 0.1			
11591.29	8624.80	8624.85	8624.80				
11591.34	8624.76	8624.81	8624.76	0.3 ± 0.1			
11591.57	8624.59	8624.64	8624.59				
11598.12	8619.72	8619.77	8619.75	0.3 ± 0.1			
11598.29	8619.59	8619.64	8619.63				
11598.36	8619.54	8619.59	8619.57				
11609.85	8611.01	8611.06	8611.08	1.4 ± 0.4			
11610.72	8610.37	8610.41	8610.41	1.3 ± 0.3			
11612.86	8608.78	8608.83	8608.84	0.7 ± 0.1			
11613.05	8608.64	8608.69	8608.70				
11613.21	8608.52	8608.57	8608.58				
11613.56	8608.23	8608.28	8608.30	0.6 ± 0.1			
11613.74	8608.12	8608.17	8608.19	0.3 ± 0.1			
11616.41	8606.15	8606.20	8606.23	0.6 ± 0.3			
11616.65	8605.97	8606.02	8606.05	1.1 ± 0.2			
11617.42	8605.40	8605.45	8605.45				
11617.53	8605.32	8605.37	8605.36	1.5 ± 0.7			
11623.59	8600.83	8600.88	8600.85	1.0 ± 0.1			
11628.58	8597.14	8597.19	8597.21				
11631.48	8595.00	8595.04	8595.07	1.6 ± 0.4			
11631.88	8594.70	8594.75	8594.77	1.2 ± 0.4			
11633.80	8593.29	8593.33	8593.29				
11633.86	8593.24	8593.29	8593.24	0.08 ± 0.04			
11633.94	8593.18	8593.23	8593.18				
11633.99	8593.14	8593.19	8593.15				
11634.07	8593.09	8593.13	8593.07	1.3 ± 0.1			
11634.27	8592.94	8592.98	8592.87				
11634.33	8592.89	8592.94	8592.92				
11634.43	8592.82	8592.87	8592.85	0.6 ± 0.1	<i>Probably double</i>		
11634.50	8592.77	8592.81	8592.80				
11634.59	8592.70	8592.75	8592.73				
11634.64	8592.68	8592.73	8592.72				
11634.73	8592.60	8592.64	8592.63				
11634.78	8592.56	8592.61	8592.59				
11635.64	8591.92	8591.97	8592.00				
11636.14	8591.55	8591.60	8591.63	1.6 ± 0.5			
11637.34	8590.67	8590.72	8590.74	1.2 ± 0.3			
11638.35	8589.92	8589.97	8589.99	3.0 ± 0.5			
11644.80	8585.17	8585.21	8585.21	0.3 ± 0.1			
11645.09	8584.45	8585.00	8584.99				
11645.18	8584.89	8584.93	8584.92	0.6 ± 0.1			
11645.26	8584.83	8584.88	8584.86	0.4 ± 0.1			
11645.89	8584.36	8584.41	8584.44	0.5 ± 0.2			
11646.16	8584.16	8584.21	8584.24	0.2 ± 0.1			
11646.33	8584.04	8584.09	8584.11	0.3 ± 0.2			
11646.65	8583.80	8583.85	8583.81	0.5 ± 0.1			

11653.58	8578.70	8578.75	8578.71				
11653.68	8578.62	8578.67	8578.64	0.3 ± 0.1			
11653.87	8578.48	8578.53	8578.50	0.3 ± 0.1			
11654.06	8578.34	8578.39	8578.40	0.5 ± 0.1			
11654.25	8578.20	8578.25	8578.26	0.6 ± 0.1			
11654.76	8577.83	8577.88	8577.89	0.4 ± 0.1			
11654.85	8577.76	8577.81	8577.82	0.5 ± 0.1			
11655.36	8577.39	8577.44	8577.47	0.1 ± 0.1			
11655.57	8577.23	8577.28	8577.32				
11655.64	8577.18	8577.23	8577.26				
11655.68	8577.15	8577.20	8577.23				
11656.73	8576.38	8576.43	8576.37	0.3 ± 0.1			
11657.12	8576.09	8576.14	8576.15	0.5 ± 0.2			
11657.31	8575.95	8576.00	8575.94				
11657.40	8575.89	8575.93	8575.96	0.3 ± 0.2			
11661.01	8573.23	8573.28	8573.26	1.2 ± 0.2			
11661.09	8573.17	8573.22	8573.20				
11662.85	8571.88	8571.93	8571.90	0.7 ± 0.2			
11662.95	8571.81	8571.85	8571.82				
11663.04	8571.74	8571.79	8571.76				
11663.10	8571.70	8571.74	8571.71	0.4 ± 0.2			
11663.42	8571.46	8571.51	8571.50				
11663.58	8571.34	8571.39	8571.38	2.4 ± 0.6			
11664.40	8570.74	8570.79	8570.78	1.2 ± 0.6			
11664.64	8570.56	8570.61	8570.67				
11664.74	8570.49	8570.54	8570.60				
11664.89	8570.38	8570.43	8570.49	0.4 ± 0.2			
11667.22	8568.67	8567.72	8568.68	0.5 ± 0.1			
11669.48	8567.01	8567.06	8567.08	0.2 ± 0.1			
11672.92	8564.48	8564.53	8564.49				
11672.99	8564.43	8564.48	8564.44				
11673.14	8564.32	8564.37	8564.33	0.8 ± 0.2			
11677.89	8560.84	8560.88	8560.87	0.2 ± 0.1			
11678.02	8560.74	8560.79	8560.78	0.3 ± 0.1			
11678.27	8560.56	8560.61	8560.62	0.4 ± 0.1			
11678.38	8560.48	8560.53	8560.54	0.2 ± 0.1			
11678.52	8560.38	8560.42	8560.43	0.4 ± 0.1			
11680.90	8558.63	8558.68	8558.70	1.3 ± 0.4			
11681.23	8558.39	8558.44	8558.46	0.5 ± 0.2	<i>Probably double</i>		
11681.40	8558.27	8558.31	8558.33	0.7 ± 0.2			
11684.29	8556.15	8556.20	8556.14	1.0 ± 0.1			
11684.36	8556.10	8556.15	8556.09				
11684.50	8556.00	8556.04	8555.99	1.1 ± 0.1	<i>Probably double</i>		
11685.07	8555.58	8555.63	8555.61				
11685.20	8555.48	8555.53	8555.52	2.0 ± 0.7			
11686.02	8554.88	8554.93	8554.92	2.0 ± 0.2			
11687.38	8553.89	8553.94	8553.94	0.5 ± 0.1			
11689.16	8552.59	8552.63	8552.61	0.8 ± 0.2			
11689.40	8552.41	8552.46	8552.43	0.2 ± 0.1			
11697.15	8546.74	8546.79	8546.81	2.0 ± 0.3			

11698.01	8546.11	8546.16	8546.15	0.6 ± 0.2			
11704.29	8541.53	8541.58	8541.58	1.0 ± 0.3			
11704.50	8541.38	8541.42	8541.43				
11704.67	8541.25	8541.30	8541.25				
11704.87	8541.11	8541.15	8541.16				
11705.12	8540.92	8540.97	8540.98	0.8 ± 0.2			
11705.54	8540.62	8540.67	8540.66	0.8 ± 0.2			
11705.88	8540.37	8540.42	8540.45				
11706.03	8540.26	8540.31	8540.34				
11706.29	8540.07	8540.12	8540.15	0.2 ± 0.1			
11706.38	8540.00	8540.05	8540.04				
11706.45	8539.95	8540.00	8539.99	0.5 ± 0.2			
11706.65	8539.81	8539.86	8539.89				
11710.06	8537.32	8537.37	8537.37	1.0 ± 0.3			
11710.13	8537.27	8537.32	8537.32				
11710.23	8537.20	8537.24	8537.25	0.8 ± 0.3			
11713.20	8535.03	8535.08	8535.02	1.0 ± 0.4			
11713.36	8534.92	8534.96	8534.90	0.6 ± 0.3			
11714.39	8534.17	8534.21	8534.14				
11714.64	8533.98	8534.03	8533.96	0.9 ± 0.3			
11717.49	8531.91	8531.96	8531.93				
11717.64	8531.80	8531.85	8531.83				
11717.93	8531.59	8531.63	8531.61	0.7 ± 0.2			
11720.09	8530.01	8530.06	8530.02				
11720.31	8529.85	8529.90	8529.86				
11725.51	8526.07	8526.12	8526.13	0.5 ± 0.3			
11727.04	8524.96	8525.01	8525.04	0.3 ± 0.1			
11727.12	8524.90	8524.95	8524.98	0.6 ± 0.1			
11727.22	8524.83	8524.88	8524.89	0.2 ± 0.1			
11727.52	8524.61	8524.66	8524.67	0.5 ± 0.2			
11727.69	8524.49	8524.53	8524.56	0.4 ± 0.1			
11731.42	8521.78	8521.81	8521.80				
11731.57	8521.67	8521.72	8521.69	0.8 ± 0.2			
11731.82	8521.49	8521.53	8521.54				
11734.00	8519.90	8519.95	8519.95	0.9 ± 0.2	3.2 ± 0.7	11.3 ± 0.2	0.286 ± 0.005
11734.75	8519.36	8519.41	8519.42				
11734.79	8519.33	8519.38	8519.39	0.5 ± 0.1			
11739.42	8515.97	8516.02	8515.97				
11739.64	8515.81	8515.86	8515.81				
11739.80	8515.69	8515.74	8515.76	0.5 ± 0.2			
11739.93	8515.60	8515.65	8515.65	0.5 ± 0.1			
11740.09	8515.48	8515.52	8515.53	0.7 ± 0.1			
11740.38	8515.27	8515.32	8515.33	0.4 ± 0.2			
11740.61	8515.11	8515.15	8515.16	1.0 ± 0.3			
11740.78	8514.98	8515.03	8515.03	0.6 ± 0.2			
11741.03	8514.80	8514.85	8514.87				
11741.30	8514.61	8514.65	8514.68	0.6 ± 0.2			
11743.35	8513.12	8513.17	8513.16	0.6 ± 0.3			
11743.52	8513.00	8513.04	8513.03	0.5 ± 0.1			
11743.62	8512.92	8512.97	8512.95	0.8 ± 0.2			

CH₃Cl absorption lines between 840 and 860 nm

see J. Quant. Spectrosc. Radiat. Transfer **168**, 170-175 (2016)

11744.94	8511.97	8512.01	8512.01	0.5 ± 0.1			
11748.57	8509.34	8509.38	8509.40	1.0 ± 0.3			
11751.15	8507.47	8507.52	8507.53				
11751.29	8507.37	8507.41	8507.42	0.9 ± 0.2			
11756.96	8503.26	8503.31	8503.34	0.2 ± 0.1			
11757.99	8502.53	8502.57	8502.58	0.1 ± 0.1			
11758.61	8502.07	8502.12	8502.13	0.3 ± 0.2			
11760.67	8500.58	8500.63	8500.62	0.5 ± 0.2			