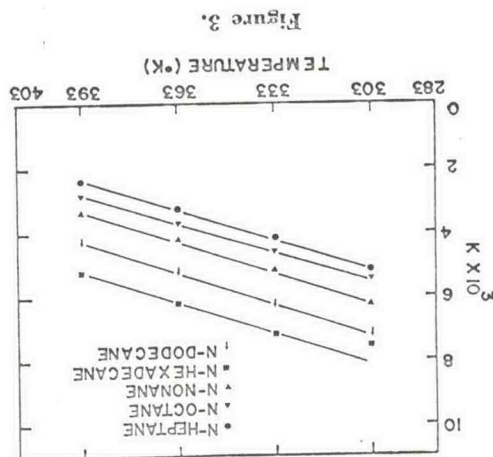


Compound	Temp. °F.	ln A	B	Degree of Fit
Acetaldehyde	71.6	14.8876	11.5468	0.9986
Propionaldehyde	74.3	15.2003	9.7068	0.9969
Butyraldehyde	84.0	15.0745	13.3936	0.9978
Iso-Butyraldehyde	82.8	15.0016	12.6535	0.8810
Iso-Valeraldehyde	81.0	14.7606	21.2072	0.9727
Heptaldehyde	71.1	15.3884	12.0205	0.9993
Caprylic Aldehyde	69.3	15.4478	12.3812	0.9973
Benzaldehyde	71.7	15.7525	15.1413	0.9881
Anisaldehyde	76.7	16.0068	11.9908	0.9917
Cinnamaldehyde	84.3	15.6159	27.9051	0.9925

TABLE 5
(PRESSURE RANGE 0-20,000 PSI)

Compound	Temp. °C.	K	q	Degree of Fit
N-Heptane	0	6.317×10 ³	1.1147	0.9960
	30	5.173×10 ³	1.1318	0.9999
	60	4.100×10 ³	1.1524	0.9998
	90	3.197×10 ³	1.1843	0.9998
N-Octane	30	5.423×10 ³	1.1038	0.9999
	60	4.559×10 ³	1.1337	0.9999
	90	3.685×10 ³	1.1650	0.9999
	120	2.827×10 ³	1.1921	0.9998
N-Nonane	30	6.266×10 ³	1.1211	0.9999
	60	5.151×10 ³	1.1397	0.9998
	90	4.173×10 ³	1.1613	0.9998
	120	3.337×10 ³	1.1964	0.9997
N-Hexadecane	30	7.478×10 ³	1.0571	0.9999
	60	7.220×10 ³	1.1180	0.9999
	90	6.190×10 ³	1.1346	0.9999
	120	5.240×10 ³	1.1517	0.9998
N-Dodecane	30	7.215×10 ³	1.0950	0.9998
	60	6.189×10 ³	1.1188	0.9999
	90	5.139×10 ³	1.1303	0.9998
	120	4.226×10 ³	1.1524	0.9997

TABLE 3*
(PRESSURE RANGE 0-1200 kg/cm²)

Compound	Temp. °C.	ln A	B	Degree of Fit
N-Hexane	0	10.0389	14.5073	0.9997
	25	9.8240	14.6359	0.9998
	40	9.6914	14.7003	0.9999
	60	9.5003	14.8697	0.9999
N-Heptane	0	10.1402	14.4582	0.9999
	25	10.2153	14.4041	0.7667
	40	9.8300	14.6492	0.9999
	60	9.6626	14.8232	1.0000
N-Octane	0	10.3195	13.9946	0.9999
	25	10.1426	14.3605	0.9853
	40	10.0137	14.5067	1.0000
	60	9.8494	14.7903	0.9999

TABLE 6*
(PRESSURE RANGE 1-5000 ATMOSPHERES)

Compound	Temp. °C.	K	q	Degree of Fit
N-Propyl Alcohol	20	9.7085×10 ³	1.2855	0.9999
	80	6.2931×10 ³	1.3045	0.9992
Iso-Butyl Alcohol	20	8.0476×10 ³	1.2227	0.9998
	80	5.5286×10 ³	1.2476	0.9992
Iso-Amyl Alcohol	20	9.2768×10 ³	1.2398	0.9997
	80	6.3602×10 ³	1.1952	0.9999
Iso-Propyl Alcohol	0	9.3602×10 ³	1.1952	0.9999
	50	6.9389×10 ³	1.2427	0.9997
	95	5.1828×10 ³	1.2058	0.9994
N-Butyl Alcohol	0	10.5225×10 ³	1.1673	0.9996
	50	8.3967×10 ³	1.1910	0.9997
	95	6.6275×10 ³	1.2392	0.9999
Water	0	11.1705×10 ³	1.0567	0.9998
	50	12.4396×10 ³	1.0307	0.9999
	95	11.7268×10 ³	1.0339	0.9999

TABLE 4*
(PRESSURE RANGE 0-10,000 kg/cm²)