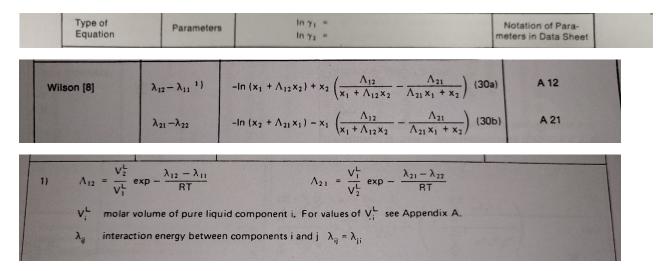
SYSTEM -

Phenol & 3,5Dimethylphenol

Type of Equation -

Wilson



Parameters are given in cal/mol with the gas.

2. Antoine Vapor Pressure Equation

The Antoine vapor pressure equation is used in the following form:

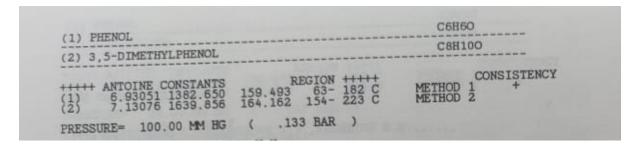
$$\log[p_i^0] = A - \frac{B}{t + C} \tag{70}$$

with [p_i⁰] vapor pressure of pure component i in mm Hg
t temperature in degrees Celsius (° C)

The Antoine constants A, B, and C are given with respective temperature regions (in ° C).

Note-Here it is log (Base 10).

Value of Constants

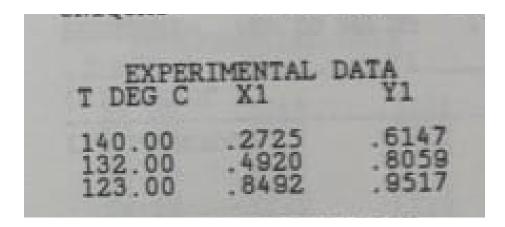


CONSTA	CONSTANTS:		A12 A21		71	72	OBJECTIVE FUNCTION	
VAN LAAR WILSON	-265 1296	.1214 .7202	.6234 1088.9075 -586.8189	.4770	1.13	1.97	.0035	0000

Please take data corresponding to Wilson

There is no alpha12 for Wilson.

T-X-Y Data



Take the molar volume from NIST Database. If not available there, please contact the TA's (Nikhil, Aditya, Krishna).

All data taken from Dechema Chemistry data series