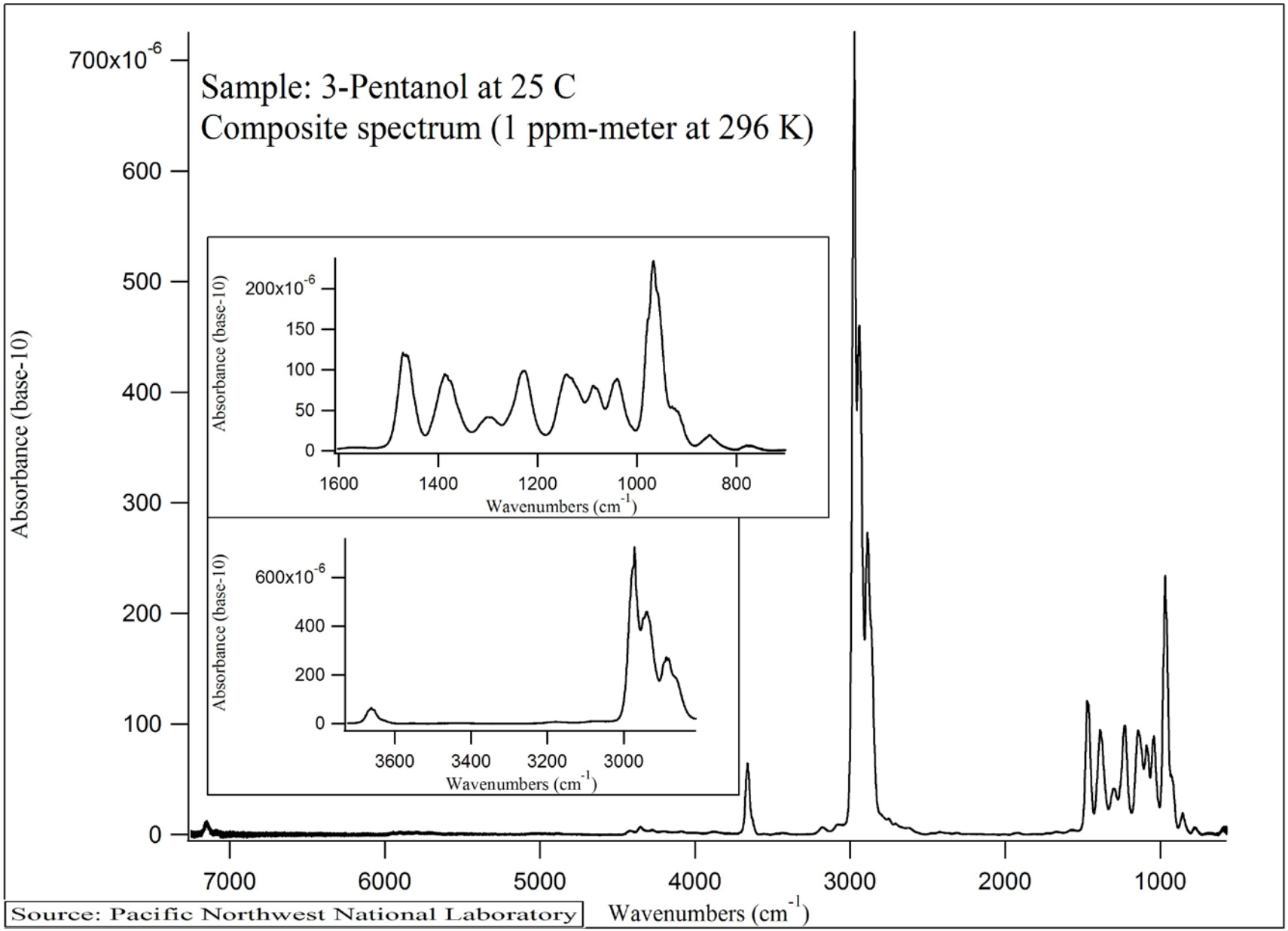
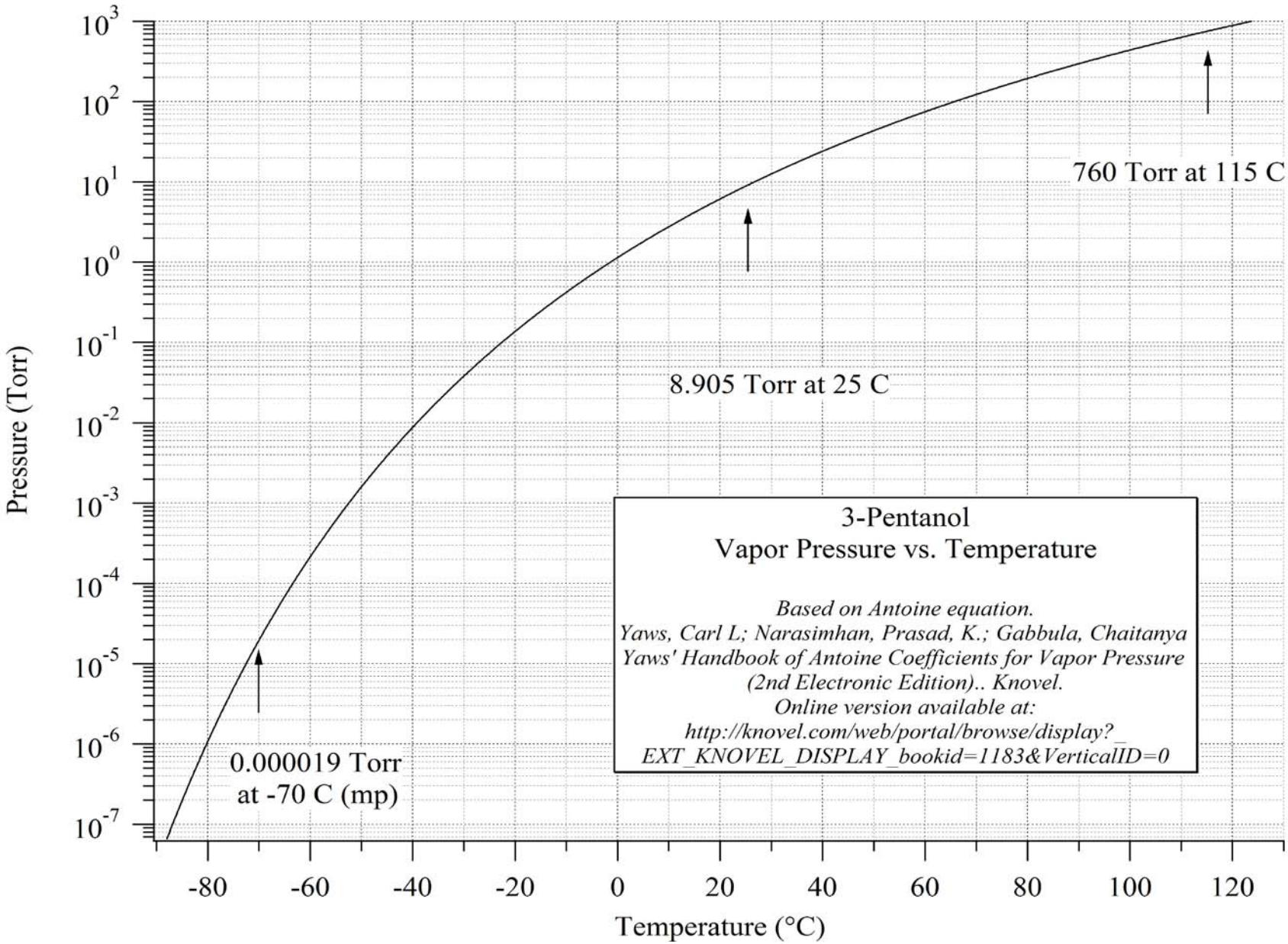

Sample: 3-Pentanol at 25 C
Composite spectrum (1 ppm-meter at 296 K)
Absorbance (base-10)
700x10^-6
600
500
400
300
200
100
0
7000
6000
5000
4000
3000
2000
1000
Wavenumbers (cm^-1)
Absorbance (base-10)
200x10^-6
150
100
50
0
1600
1400
1200
1000
800
Wavenumbers (cm^-1)
Absorbance (base-10)
600x10^-6
400
200
0
3600
3400
3200
3000
Wavenumbers (cm^-1)
Source: Pacific Northwest National Laboratory


3-Pentanol
Vapor Pressure vs. Temperature
Based on Antoine equation.
Yaws, Carl L; Narasimhan, Prasad, K.; Gabbula, Chaitanya
Yaws' Handbook of Antoine Coefficients for Vapor Pressure
(2nd Electronic Edition).. Knovel.
Online version available at:
http://knovel.com/web/portal/browse/display?_
EXT_KNOVEL_DISPLAY_bookid=1183&VerticalID=0
760 Torr at 115 C
8.905 Torr at 25 C
0.000019 Torr
at -70 C (mp)
Pressure (Torr)
Temperature (°C)
10^3
10^2
10^1
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
10^-7
-80
-60
-40
-20
0
20
40
60
80
100
120