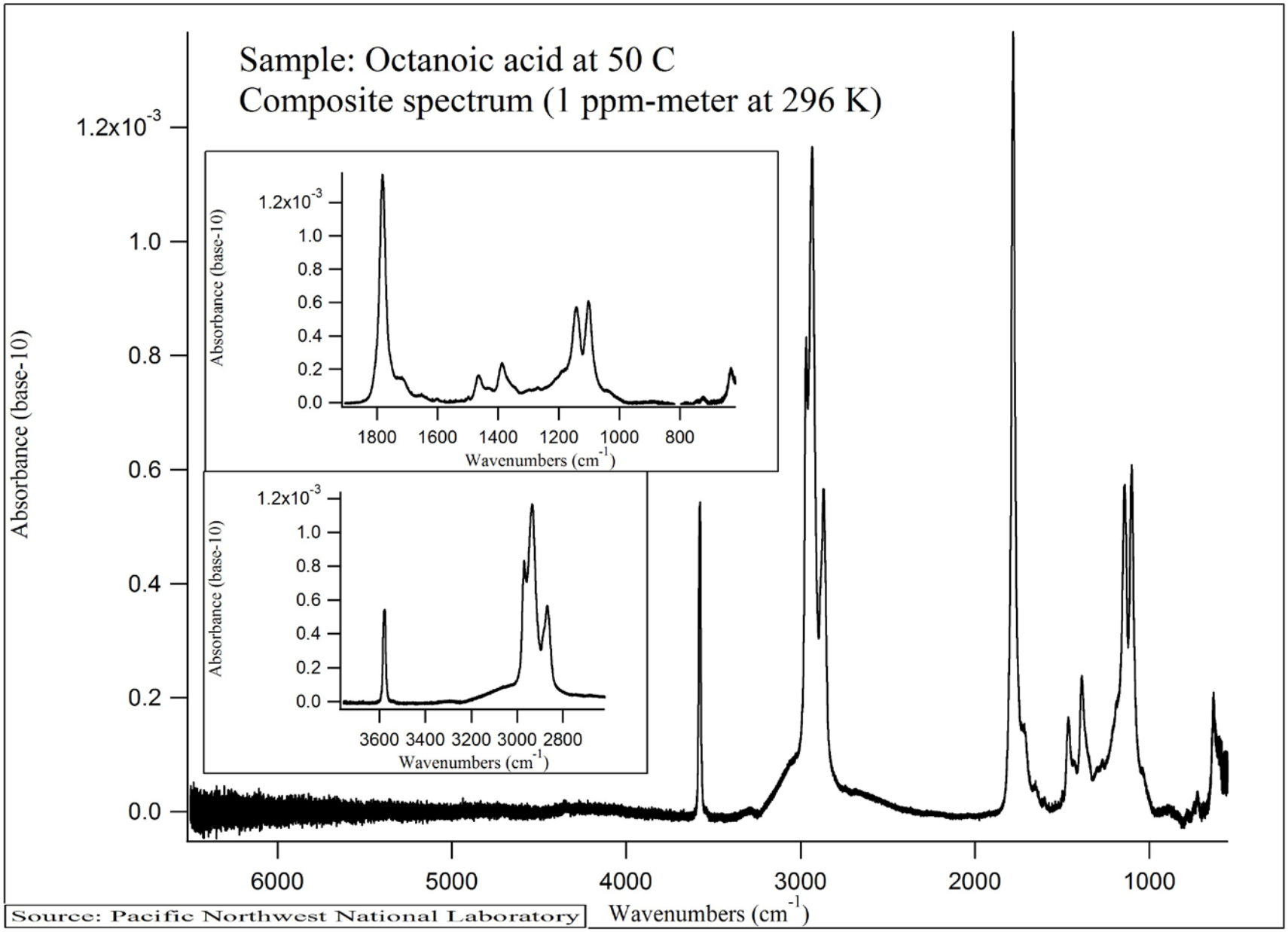
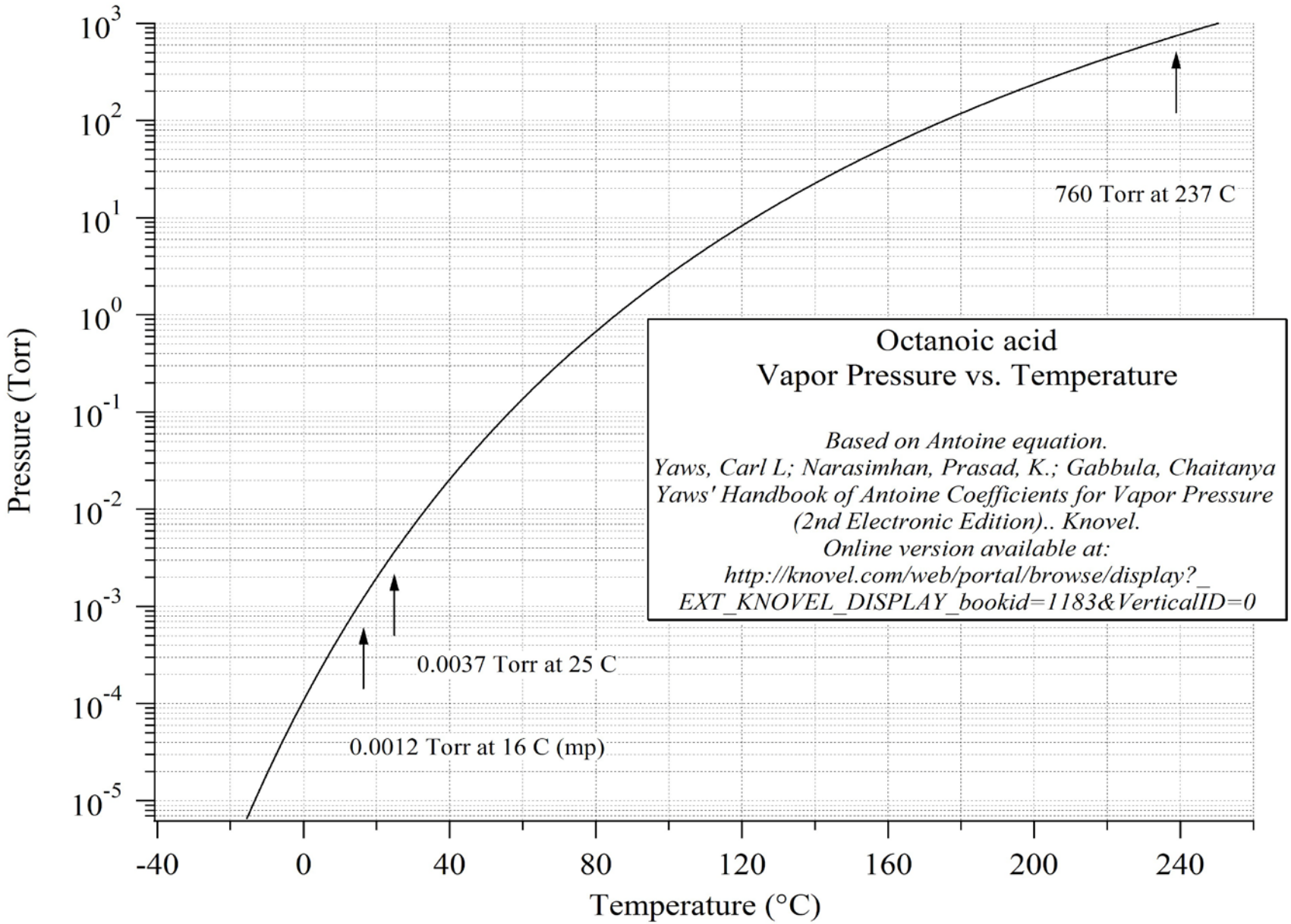

Sample: Octanoic acid at 50 C
Composite spectrum (1 ppm-meter at 296 K)
Absorbance (base-10)
1.2x10-3
1.0
0.8
0.6
0.4
0.2
0.0
6000
5000
4000
3000
2000
1000
Wavenumbers (cm-1)
1800
1600
1400
1200
1000
800
3600
3400
3200
3000
2800
Source: Pacific Northwest National Laboratory


Octanoic acid
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 237 C
0.0037 Torr at 25 C
0.0012 Torr at 16 C (mp)
Pressure (Torr)
Temperature (°C)
10^3
10^2
10^1
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
-40
0
40
80
120
160
200
240