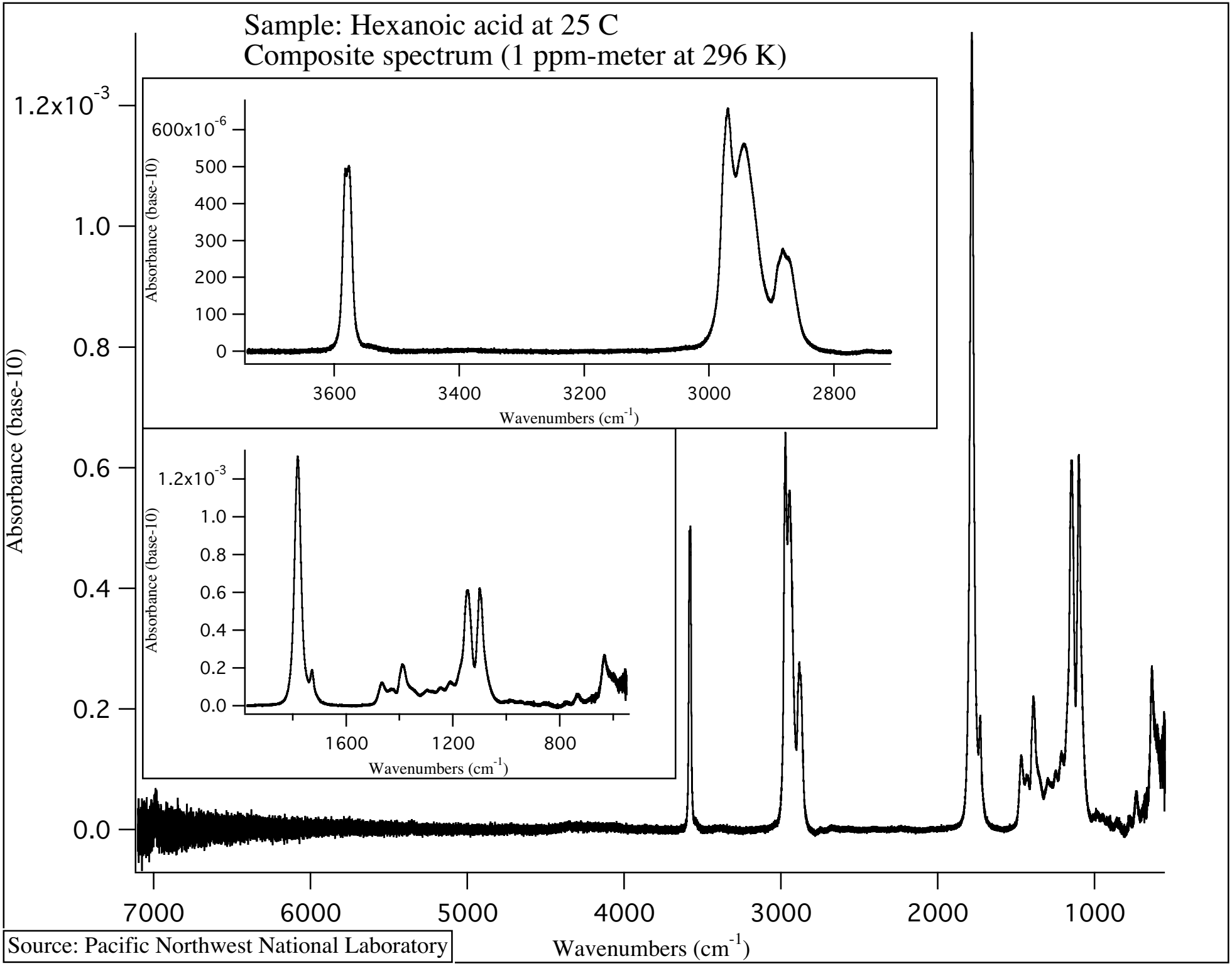
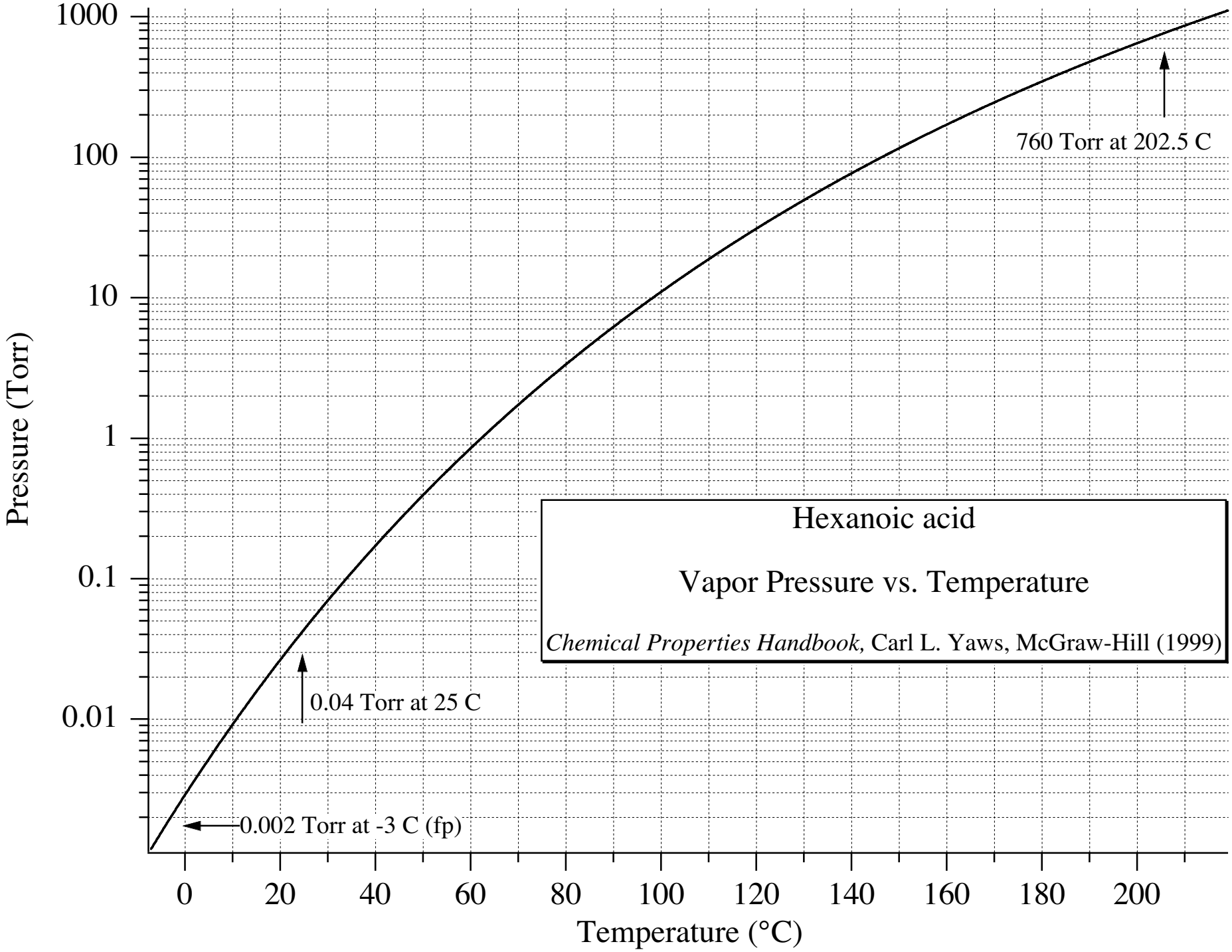

Sample: Hexanoic acid at 25 C
Composite spectrum (1 ppm-meter at 296 K)
Absorbance (base-10)
1.2x10-3
1.0
0.8
0.6
0.4
0.2
0.0
7000
6000
5000
4000
3000
2000
1000
Wavenumbers (cm-1)
600x10-6
500
400
300
200
100
0
3600
3400
3200
3000
2800
1.2x10-3
1.0
0.8
0.6
0.4
0.2
0.0
1600
1200
800
Source: Pacific Northwest National Laboratory


Hexanoic acid
Vapor Pressure vs. Temperature
Chemical Properties Handbook, Carl L. Yaws, McGraw-Hill (1999)
760 Torr at 202.5 C
0.04 Torr at 25 C
0.002 Torr at -3 C (fp)
Pressure (Torr)
1000
100
10
1
0.1
0.01
Temperature (°C)
0
20
40
60
80
100
120
140
160
180
200