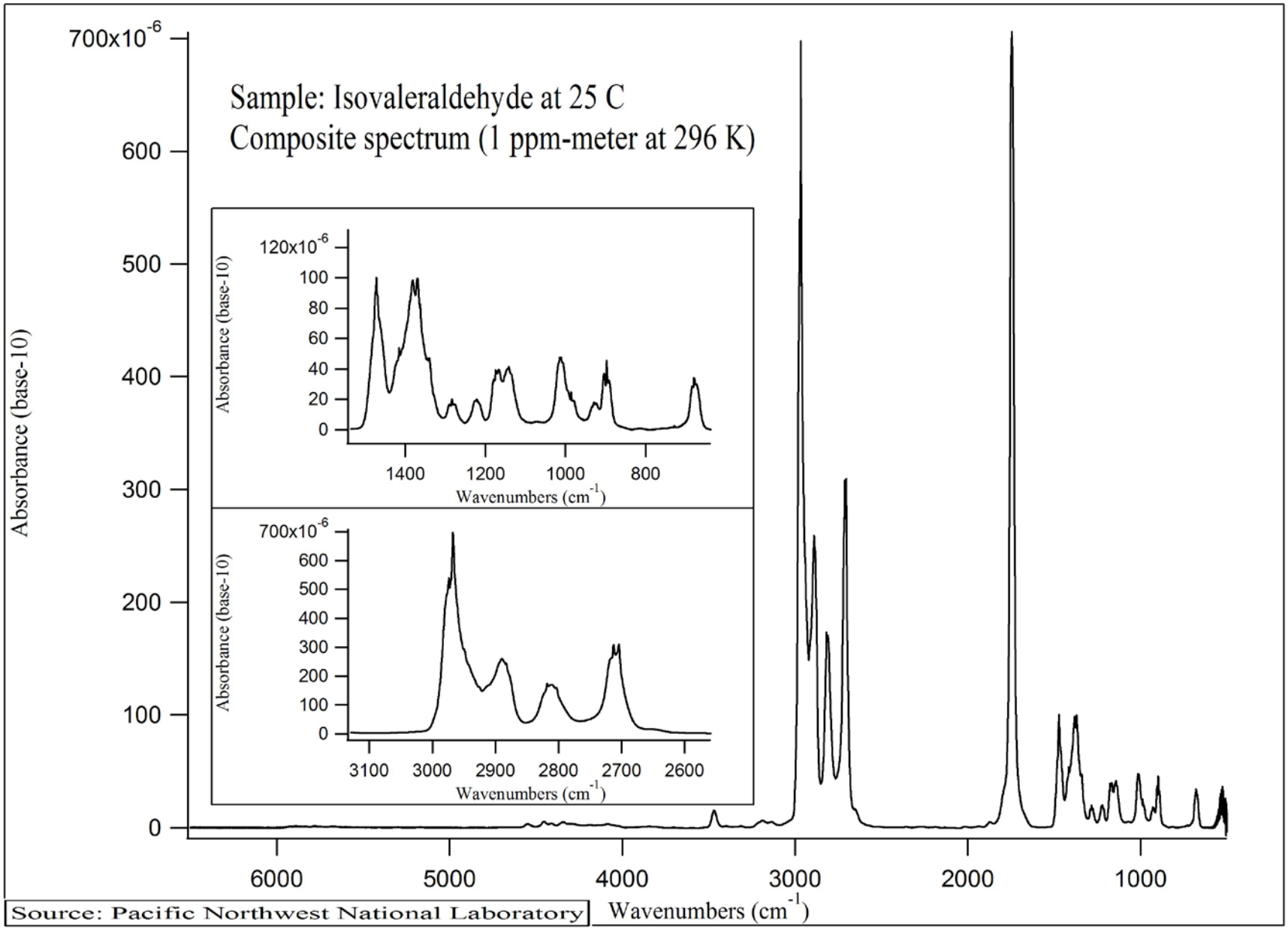
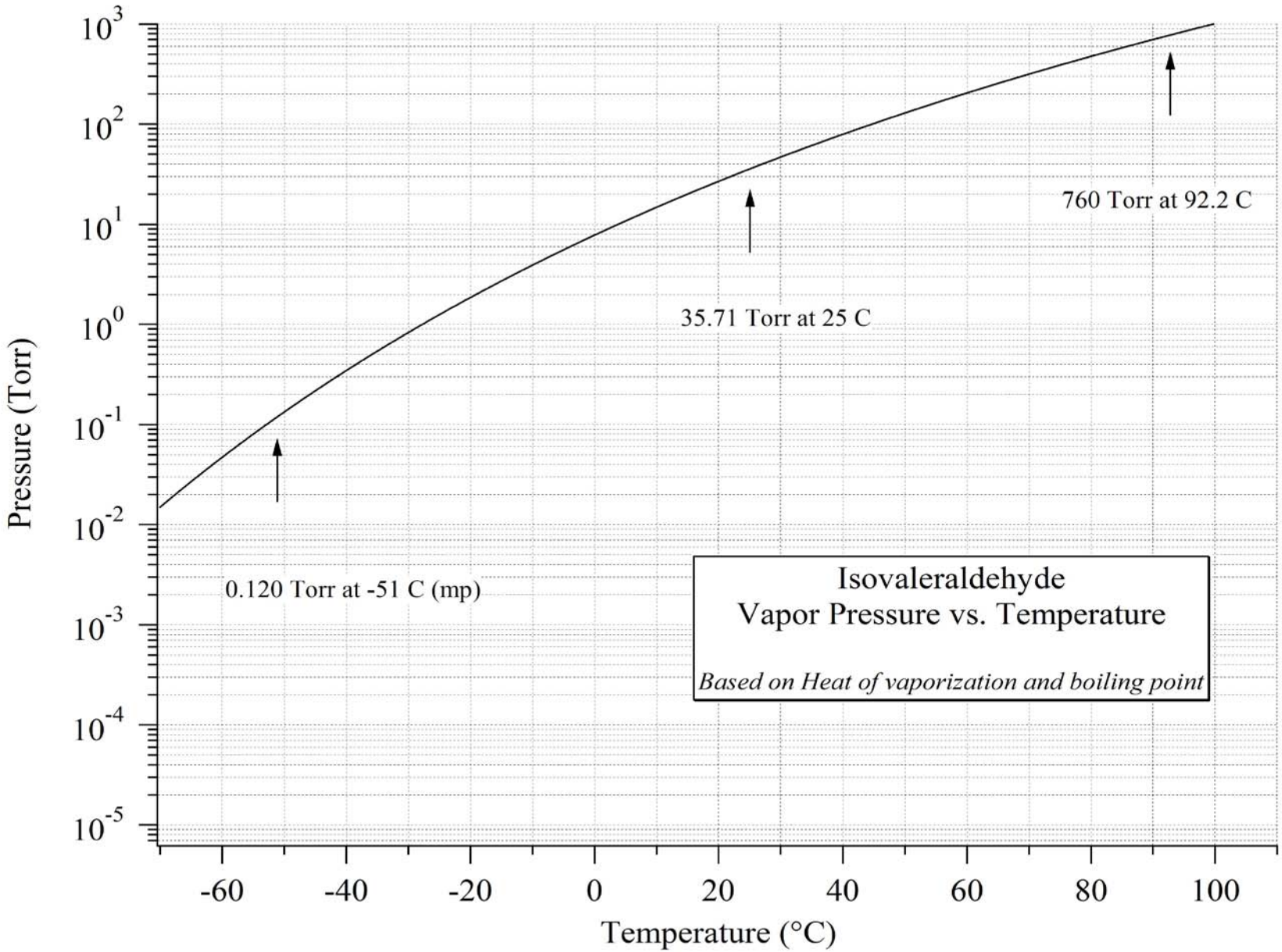

Sample: Isovaleraldehyde at 25 C
Composite spectrum (1 ppm-meter at 296 K)
Absorbance (base-10)
700x10-6
600
500
400
300
200
100
0
6000
5000
4000
3000
2000
1000
Wavenumbers (cm-1)
Absorbance (base-10)
120x10-6
100
80
60
40
20
0
1400
1200
1000
800
Wavenumbers (cm-1)
Absorbance (base-10)
700x10-6
600
500
400
300
200
100
0
3100
3000
2900
2800
2700
2600
Wavenumbers (cm-1)
Source: Pacific Northwest National Laboratory


Isovaleraldehyde
Vapor Pressure vs. Temperature
Based on Heat of vaporization and boiling point
760 Torr at 92.2 C
35.71 Torr at 25 C
0.120 Torr at -51 C (mp)
Pressure (Torr)
Temperature (°C)
10^{3}
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
-60
-40
-20
0
20
40
60
80
100