

Calibration of Fumehood #1(FH1)

- Informed Control Room of planned operation of FH1
- Used Lutron AM-4204HA Hot Wire Anemometer
- Raised FH1 vent opening to 12 inches
- Turned FH1 power to “ON”
- Allowed FH1 to run for 1 minute to stabilize flow
- Measured 9 locations at the face opening
 - 101 LFM
 - 111 LFM
 - 101 LFM
 - 105 LFM
 - 101 LFM
 - 101 LFM
 - 101 LFM
 - 105 LFM
 - 105 LFM
 - 105 LFM
 - Average = total of 9 locations = 935 $935 \div 9 = 103$ LFM
- ANSI/AIHA Z9.5: “Each hood shall maintain an average face velocity of 80-120 fpm with no face velocity measurement more than plus or minus 20% of average.”
- The FH1 face velocity meets the ANSI/AIHA Z9.5 criteria.

Fumehood #1 is acceptable to use for the toluene cleaning of wires per T040127-v2

Charles Taylor

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