TE-PUFPLUS Hi-Vol Calibration Data Sheet

Site Information

Full Site Name: Portage - Hwy 12

Site Abbreviation PTG Sampler Serial No. 1001

Field Technician Name Scott Keller & Katie Healy Date 3/17/21 Time 11:15

Timer/Sensor Checks *Check off each item.*

☑ Date correct?

☑ Time within **±5 minutes** of local time?

☑ Temperature sensors within **±2°C** of transfer standard?

$T_{amb\ transfer\ standard}$ (°C) 3/17 KH ~~8.1~~ 90 $T_{amb\ PUFPLUS}$ (°C) KH 3/17 ~~8.8~~ 8.9

$T_{amb\ transfer\ standard} - T_{amb\ PUFPLUS}$ = 3/17 KH ~~0.7~~ °C 0.1 °C

☑ Pressure sensor within **±10 mmHg** of transfer standard?

$P_{amb\ transfer\ standard}$ (mmHg) 743.5 $P_{amb\ PUFPLUS}$ (mmHg) 743

$P_{amb\ transfer\ standard} - P_{amb\ PUFPLUS}$ = 0.5 mmHg

Calibration Orifice Information

Make Graseby Model Regular Serial No. 584

Orifice Slope "$m_{orifice}$" 10.46067 Orifice Intercept "$b_{orifice}$" -0.16706

Hi-Vol Calibration Information *Check off each item.*

☑ Flow Conditions are set to "STD"?

☑ Flow Rate is set to 225 liters per minute?

Calibration Method: Manual Automatic (circle one)

Enter $m_{orifice}$ value from above when prompted to "Enter Calibrator Standard m".

Enter $b_{orifice}$ value from above when prompted to "Enter Calibrator Standard b".

☑ Hi Flow Rate should be 247 liters/min

☑ Lo Flow Rate should be 202 liters/min

Correction Coefficient "R" 0.9986 >0.990? Yes No (circle one)

Hi-Vol Slope "m_{hivol}" (A1) 35.7936 Hi-Vol Intercept "b_{hivol}" (A0) -0.9826

Note: If the Correction Coefficient is ≤0.990, repeat the calibration.

☑ Calibration saved?