

High-Volume TSP Sampler  
5-Point Calibration Record

Location : A1, Yuet Wu Villa (1-hr Monitoring)  
 Calibrated by : P.F. Yeung  
 Date : 4/7/08

Sampler  
 Model : GMWS-2310 ACCU-VOL  
 Serial Number : S/N 8790

Calibration Orifice and Standard Calibration Relationship

Serial Number : CM-AIR-43  
 Service Date : 2 July 2007  
 Slope (m) : 0.057452  
 Intercept (b) : -0.026137  
 Correlation Coefficient(r) : 0.999910

Standard Condition

Pstd (hpa) : 1013  
 Tstd (K) : 298.18

Calibration Condition

Pa (hpa) : 1012  
 Ta(K) : 302

Zero Error of Sampler Flow Rate Indication

IO : 0.0

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1   18 holes	10.9	3.287	1.663	46	45.7
2   13 holes	8.9	2.970	1.504	40	39.8
3   10 holes	6.7	2.577	1.308	37	36.8
4   7 holes	4.3	2.064	1.052	26	25.9
5   5 holes	2.1	1.443	0.741	18	17.9

Sampler Calibration Relationship

Slope(m): 35.953 Intercept(b): -9.528 Correlation Coefficient(r): 0.9989

Checked by: Magnum Fan

Date: 5/07/08

High-Volume TSP Sampler  
5-Point Calibration Record

Location : A1, Yuet Wu Villa (24 hr Monitoring)  
 Calibrated by : P.F. Yeung  
 Date : 4/07/08

Sampler

Model : GMWS-2310 ACCU-VOL  
 Serial Number : S/N 0890

Calibration Office and Standard Calibration Relationship

Serial Number : CM-AIR-43  
 Service Date : 2 July 2007  
 Slope (m) : 0.057452  
 Intercept (b) : -0.026137  
 Correlation Coefficient(r) : 0.999910

Standard Condition

Pstd (hpa) : 1013  
 Tstd (K) : 298.18

Calibration Condition

Pa (hpa) : 1012  
 Ta(K) : 302

Zero Error of Sampler Flow Rate Indication

IO : 0.0

Resistance Plate	dH [green liquid] (inch water)	Z	X-Qstd (cubic meter/min)	IC (indicated flow)	Y
1   18 holes	9.3	3.104	1.512	54	55.0
2   13 holes	7.5	2.788	1.359	49	49.9
3   10 holes	5.7	2.430	1.186	42	42.8
4   7 holes	3.6	1.931	0.945	34	34.6
5   5 holes	2.1	1.475	0.724	26	26.5

Sampler Calibration Relationship

Slope(m): 36.327 Intercept(b): 0.1381 Correlation Coefficient(r): 0.9965

Checked by: Magnum Fan

Date: 5/07/08

**High-Volume TSP Sampler**  
**1-Point Calibration Record**

Location : A1  
Calibrated by : P.F.Yeung  
Date : 4/9/08

**Sampler**

Model : GMWS-2310 ACCU-VOL  
Serial Number : S/N 0890

**Calibration Office and Standard Calibration Relationship**

Serial Number : CM-AIR-43  
Service Date : 10 July 2008  
Slope (m) : 0.056389  
Intercept (b) : -0.025123  
Correlation Coefficient(r) : 0.999909

**Standard Condition**

Pstd (hpa) : 1013  
Tstd (K) : 298.18

**Calibration Condition**

Pa (hpa) : 1012  
Ta(K) : 300

**IC (Indicated flow)** : 42 cfm

**Actual flow** : 1.15 m<sup>3</sup>/min

Checked by: Magnum Fan

Date: 16/09/08