

High-Volume TSP Sampler
1-Point Calibration Record

Location : A1 (Tuen Mun)
Calibrated by : P.F. Yeung
Date : 5/5/09

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) : 297

IC (Indicated flow) : 42 cfm

Actual flow : 1.21 m³/min

Checked by: Magnum Fan

Date: 7/05/09

High-Volume TSP Sampler
5-Point Calibration Record

Location : A1, Yuet Wu Villa
Calibrated by : P.F.Yeung
Date : 5/07/09

Sampler

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

Calibration Orifice 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) : 303

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	12.5	3.560	1.719	62	62.4
2 13 holes	9.8	3.152	1.595	52	52.4
3 10 holes	7.8	2.812	1.428	44	44.3
4 7 holes	4.8	2.206	1.123	30	30.2
5 5 holes	3.0	1.744	0.892	18	18.1

Sampler Calibration Relationship

Slope(m): 48.427 Intercept(b): -24.712 Correlation Coefficient(r): 0.9998

Checked by: Magnum Fan

Date: 6/07/09