

High-Volume TSP Sampler
1-Point Calibration Record

Location : A1 (Tuen Mun)
Calibrated by : P.F. Yeung
Date : 16/11/09

Sampler

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

Calibration Orifice and Standard Calibration Relationship

Serial Number : 9833620
Service Date : 18 May 2009
Slope (m) : 1.97702
Intercept (b) : -0.00070
Correlation Coefficient(r) : 0.99992

Standard Condition

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

Calibration Condition

Pa (hpa) : 1018
Ta(K) : 292

IC (Indicated flow) : 38 cfm

Actual flow : 1.19 m³/min

Checked by: Magnum Fan

Date: 18/11/09

High-Volume TSP Sampler
5-Point Calibration Record

Location : A1, Yuet Wu Villa
 Calibrated by : P.F. Yeung
 Date : 5/01/2010

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

Calibration Office and Standard Calibration Relationship

Serial Number : 9833620
 Service Date : 18 May 2009
 Slope (m) : 1.97702
 Intercept (b) : -0.00070
 Correlation Coefficient(r) : 0.99992

Standard Condition

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

Calibration Condition

Pa (hpa) : 1016
 Ta(K) : 293

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	12.4	3.578	1.810	54	54.9
2 13 holes	9.8	3.181	1.609	47	47.8
3 10 holes	8.0	2.874	1.454	41	41.7
4 7 holes	4.8	2.226	1.126	30	30.5
5 5 holes	2.9	1.731	0.876	20	20.3

Sampler Calibration Relationship

Slope(m): 36.695 Intercept(b): -11.442 Correlation Coefficient(r): 0.9996

Checked by: Magnum Fan

Date: 6/01/2010