

High-Volume TSP Sampler
1-Point Calibration Record

Location : A1 (Tuen Mun)
Calibrated by : P.F.Yeung
Date : 05/03/2010

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) : 36 cfm

Actual flow : 1.29 m³/min

Checked by: Magnum Fan

Date: 06/03/2010

High-Volume TSP Sampler
5-Point Calibration Record

Location : AM1 (Tuen Mun)
Calibrated by : P.F.Yeung
Date : 5/5/2010

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) : 1010
Ta(K) : 296

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	10.2	3.197	1.617	60	60.1
2 13 holes	8.0	2.831	1.432	52	52.1
3 10 holes	6.4	2.532	1.281	45	45.0
4 7 holes	4.0	2.002	1.013	33	33.0
5 5 holes	2.5	1.583	0.801	24	24.0

Sampler Calibration Relationship

Slope(m):44.366 Intercept(b): -11.683 Correlation Coefficient(r): 0.9999

Checked by: Magnum Fan

Date: 10/5/2010

High-Volume TSP Sampler
5-Point Calibration Record

Location : A2, Fanling
Calibrated by : P.F.Yeung
Date : 7/05/2010

Sampler

Model : GMWS-2310 ACCU-VOL
Serial Number : S/N 1068

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) : 1010
Ta(K) : 296

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	11.0	3.320	1.680	62	62.1
2 13 holes	8.8	2.969	1.502	55	55.1
3 10 holes	6.5	2.552	1.291	47	47.0
4 7 holes	4.2	2.051	1.038	36	36.0
5 5 holes	2.5	1.583	0.801	26	26.0

Sampler Calibration Relationship

Slope(m):44.784 Intercept(b): -10.794 Correlation Coefficient(r): 0.9996

Checked by: Magnum Fan

Date: 10/05/2010