

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 : A1 (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 : AM1
Calibrated by : K.T.Ho
Date : 5/07/2010

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

Calibration Orifice and Standard Calibration Relationship

Serial Number : 1785
Service Date : 10 May 2010
Slope (m) : 2.01637
Intercept (b) : -0.02316
Correlation Coefficient(r) : 0.99996

Standard Condition

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

Calibration Condition

Pa (hpa) : 1006
Ta(K) : 303

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1 18 holes	10.0	3.128	1.563	60	59.4
2 13 holes	7.6	2.727	1.364	51	50.5
3 10 holes	6.3	2.483	1.243	45	44.5
4 7 holes	3.8	1.928	0.968	32	31.7
5 5 holes	2.3	1.500	0.756	21	20.8

Sampler Calibration Relationship

Slope(m): 47.749 Intercept(b): -14.929 Correlation Coefficient(r): 0.9998

Checked by: Magnum Fan

Date: 23/07/2010