

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

High-Volume TSP Sampler
5-Point Calibration Record

Location : AM1
 Calibrated by : K.T.Ho
 Date : 5/09/2010

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) : 1008
 Ta(K) : 301

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1 18 holes	10.2	3.165	1.581	62	61.4
2 13 holes	8.0	2.803	1.401	54	53.5
3 10 holes	6.4	2.507	1.255	47	46.6
4 7 holes	4.0	1.982	0.994	35	34.7
5 5 holes	2.5	1.567	0.789	26	25.8

Sampler Calibration Relationship

Slope(m): 45.249 Intercept(b): -10.088 Correlation Coefficient(r): 0.9999

Checked by: Magnum Fan

Date: 06/09/2010