

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

High-Volume TSP Sampler  
5-Point Calibration Record

Location : AM1  
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 Date : 5/11/2010

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) : 1015  
 Ta(K) : 297

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1   18 holes	9.8	3.150	1.574	60	60.4
2   13 holes	7.6	2.774	1.387	52	52.3
3   10 holes	6.0	2.465	1.234	45	45.3
4   7 holes	3.6	1.909	0.958	33	33.2
5   5 holes	2.1	1.458	0.735	24	24.2

Sampler Calibration Relationship

Slope(m):43.414 Intercept(b):-8.057 Correlation Coefficient(r):0.9998

Checked by: Magnum Fan

Date: 15/11/2010