

File No. MA20003/18/0013

Project No.	CKL 1 - Flat 1	21 Cha Kwo Ling							
Date:	5-N	1ar-22	Next Due Date:	5-May-22	Operator:	SK			
Equipment No.:	A-	01-18	Model No.:	TE 5170	Serial No.	0723			
	Ambient Condition								
Temperatu	ıre, Ta (K)	293.6	Pressure, Pa (mml	Hg)	760				

Orifice Transfer Standard Information							
Serial No.	3864	Slope, mc 0.05922 Intercept, bc -0.02420					
Last Calibration Date:	31-Jan-22	mc x Qstd + bc = $[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$					
Next Calibration Date:	31-Jan-23	Qstd = { $[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$ -bc} / mc					

1 1 2 3 4 5	ΔH (orifice), in. of water 13.0 10.3 8.5 6.2 3.4	Оrfice [ΔH x (Pa/760) x (2 3.63 3.23 2.94 2.51 1.86		X - axis 61.75 55.01 50.01	ΔW (HVS), in. of water 9.8 8.0) x (298/Ta)] ^{1/2} Y- axis
Point	in. of water 13.0 10.3 8.5 6.2	[ΔH x (Pa/760) x (2 3.63 3.23 2.94 2.51	98/Ta)] ^{1/2}	X - axis 61.75 55.01	of water 9.8	[ΔW x (Pa/760	axis
2 3 4 5	10.3 8.5 6.2	3.23 2.94 2.51		55.01			
3 4 5	8.5 6.2	2.94 2.51			8.0		3.15
4 5	6.2	2.51		50.01			2.85
5				50.01	5.9		2.45
	3.4	1.86		42.77	4.0		2.01
				31.78	1.8		1.35
By Linear Regression of Y on X Slope , mw = 0.0614 Intercept, bw = Correlation coefficient* =0.9982							
*If Correlation Coefficient < 0.990, check and recalibrate.							
II Conclation Coc		, check and recambrat	с.				
			Set Point C	Calculation			
From the TSP Field	d Calibration Cu	urve, take Qstd = 43 C					
From the Regressic	on Equation, the	"Y" value according	to				
	-			x (Pa/760) x (2	98/Ta)1 ^{1/2}		
		inw x Qstu +	υw – [Δw	x (1 a/700) x (2	30/1 a)]		
Therefore, Set I	Point; W = (mv	$(x + bw)^2 x (76)$	60 / Pa) x (7	Γa / 298) =	4.10		
Remarks:							
_							
Conducted by:	Wong Shi	ng Kwai	Signature:	K	<u>у</u>	Date:	5-Mar-22
Checked by:	Henry I	Leung	Signature:	lem	1 1 No 7	Date:	5-Mar-22

Next Calibration Date:

31-Jan-23



File No. MA20003/55/0013

Project No.	CKL 2 - Flat	103 Cha Kwo Ling					
Date:	5-Mar-22		Next Due Date: 5-May-2		May-22 Operat	or: SK	
Equipment No.:	nt No.: A-01-55		Model No.:	TE	E 5170 Serial N	No. 1956	
			Ambient C	ondition			
Temperatu	ıre, Ta (K)	293.6	Pressure, Pa	(mmHg)	760		
		Ori	fice Transfer Sta	ndard Informa	ation		
Seria	l No.	3864	Slope, mc	0.05922	Intercept, bc	-0.02420	
Last Calibr	ation Date:	31-Jan-22	mc x Qstd + bc = $[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$				

Qstd = { $[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$ -bc} / mc

	Calibration of TSP Sampler						
Calibration		Orfice	<u> </u>		HVS		
Point	ΔH (orifice), in. of water	$[\Delta H \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$\frac{[\Delta W \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}}{Y-axis}$		
1	12.8	3.60	61.27	9.8	3.15		
2	10.8	3.31	56.32	7.6	2.78		
3	8.4	2.92	49.71	6.0	2.47		
4	5.5	2.36	40.31	3.4	1.86		
5	2.9	1.72	29.38	1.8	1.35		
By Linear Regression of Y on X Slope , mw = 0.0563 Intercept, bw = -0.3460 Correlation coefficient* = 0.9973 *If Correlation Coefficient < 0.990, check and recalibrate.							
Set Point Calculation From the TSP Field Calibration Curve, take Qstd = 43 CFM							
From the Regression Equation, the "Y" value according to $\mathbf{mw} \mathbf{x} \mathbf{Qstd} + \mathbf{bw} = [\Delta \mathbf{W} \mathbf{x} (\mathbf{Pa}/760) \mathbf{x} (\mathbf{298/Ta})]^{1/2}$ Therefore, Set Point; W = (mw x Qstd + bw) ² x (760 / Pa) x (Ta / 298) =							
Remarks:							
Conducted by:	Wong Shi	ng Kwai Signature:	k	<u>у</u>	Date: 5-Mar-22		
Checked by:	Henry I	Leung Signature:		j Xoz j	Date: 5-Mar-22		

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File No. MA20003/04/0011

Project No.	KER 1 - Future	e Residential Dev	<i>N</i> n			
Date:	<u> </u>	Mar-22	Next Due Date:	11-May-22	Operator:	SK
Equipment No.:	A-	01-04	Model No.:	TE 5170	Serial No.	10595
			Ambient Condit	ion		
Temperatu	ure, Ta (K)	295.1	Pressure, Pa (mmF	Hg)	760.4	

Orifice Transfer Standard Information						
Serial No.	3864	Slope, mc 0.05922 Intercept, bc -0.02420				
Last Calibration Date:	31-Jan-22	mc x Qstd + bc = $[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$				
Next Calibration Date:	31-Jan-23	Qstd = { $[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$ -bc} / mc				

	Calibration of TSP Sampler							
Calibration		Orfice			HVS			
Point	ΔH (orifice), in. of water	$[\Delta H \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$\frac{[\Delta W \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}}{Y-axis}$			
1	13.0	3.62	61.61	9.4	3.08			
2	10.4	3.24	55.15	7.0	2.66			
3	8.2	2.88	49.01	5.6	2.38			
4	5.2	2.29	39.11	3.2	1.80			
5	3.0	1.74	29.81	2.0	1.42			
By Linear Regression of Y on X Slope , mw = 0.0523 Intercept, bw = -0.1873 Correlation coefficient* = 0.9972 *If Correlation Coefficient < 0.990, check and recalibrate.								
			Calculation					
From the Regres	sion Equation, the	e "Y" value according to mw x Qstd + bw = [ΔW v x Qstd + bw) ² x (760 / Pa) x		98/Ta)] ^{1/2} 4.21				
Remarks:								
Conducted by:	Wong Shi	ng Kwai Signature	<u> </u>	<u>у</u>	Date: 11-Mar-22			
Checked by:	Henry I	Leung Signature	. \-len	, dag	Date: 11-Mar-22			

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File No. MA20003/44/0012

Project No.	KTD1 - Centre	of Excellence in				
Date:	11-N	Mar-22	Next Due Date:	11-May-22	Operator:	SK
Equipment No.:	.: A-01-44		Model No.: TE-517		E-5170 Serial No. 1316	
			Ambient Conditi	on		
Temperatu	re, Ta (K)	295.1	Pressure, Pa (mmF	Ig)	760.4	

Orifice Transfer Standard Information						
Serial No.	3864	Slope, mc 0.05922 Intercept, bc -0.02420				
Last Calibration Date:	31-Jan-22	mc x Qstd + bc = $[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$				
Next Calibration Date:	31-Jan-23	Qstd = { $[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$ -bc} / mc				

	Calibration of TSP Sampler							
Calibration		Orfice			HVS			
Point	ΔH (orifice), in. of water	$[\Delta H \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of water		60) x (298/Ta)] ^{1/2} -axis		
1	13.0	3.62	61.61	9.6		3.11		
2	11.0	3.33	56.70	7.4		2.73		
3	8.4	2.91	49.60	5.6		2.38		
4	5.6	2.38	40.58	3.3		1.83		
5	3.2	1.80	30.77	1.8		1.35		
By Linear Regression of Y on X Slope , mw = <u>0.0567</u> Intercept, bw <u>-0.4326</u>								
	Correlation coefficient* = 0.9979							
*If Correlation (Coefficient < 0.99	0, check and recalibrate.						
		Set Point (Calculation					
From the TSP Fi	eld Calibration C	urve, take Qstd = 43 CFM						
From the Regres	sion Equation, the	e "Y" value according to						
Therefore, Se	et Point; W = (mv	$\mathbf{mw} \mathbf{x} \mathbf{Qstd} + \mathbf{bw} = [\Delta \mathbf{W}]$ v x Qstd + bw) ² x (760 / Pa) x (, -				
Remarks:								
Conducted by:	Wong Shi	ng Kwai Signature		<u>у. </u>	Date:	11-Mar-22		
Checked by:	Henry I	Leung Signature	: \-lem	, Xor	Date:	11-Mar-22		



File No. MA20003/41/0011

Project No.	KTD 2D - Next to the SOR Office of Trunk Road T2 in Kai Tak Area							
Date:	11-Mar-22		Next Due Date:	11-1	May-22 Operator	: SK		
Equipment No.:	A-01-41		Model No.:	TE	5170 Serial No	5280		
Temperatu	Ambient Condition Temperature, Ta (K) 295.1 Pressure, Pa (mmHg) 760.4							
Temperatu	Temperature, Ta (K) 295.1 Pressure, Pa (mmHg) 760.4							
		Ori	ifice Transfer Star	ndard Informa	ation			
Serial	No.	3864	Slope, mc	0.05922	Intercept, bc	-0.02420		
Last Calibra	ation Date:	31-Jan-22	mc x Qstd + bc = $[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$					
Next Calibra	ation Date:	31-Jan-23	Qstd = { $[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$ -bc} / mc					

Calibration of TSP Sampler								
Calibration		Orfice			HVS			
Point	ΔH (orifice), in. of water	[ΔH x (Pa/760) x (298/Ta)] ^{1/2}	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$ Y-axis			
1	13.0	3.62	61.61	9.8	3.15			
2	10.3	3.23	54.88	8.0	2.84			
3	8.5	2.93	49.89	5.9	2.44			
4	6.2	2.50	42.67	4.0	2.01			
5	3.4	1.85	31.71	2.0	1.42			
Slope , mw = Correlation	ression of Y on X 0.0591 coefficient* = Coefficient < 0.99	0.9976 0, check and recalibrate.	Intercept, bw =	-0.474	3			
		Set Point C	Calculation					
From the TSP Fi	ield Calibration C	urve, take Qstd = 43 CFM						
From the Regres	sion Equation, the	e "Y" value according to						
Therefore, Se	et Point; W = (mv	$\mathbf{mw} \mathbf{x} \mathbf{Qstd} + \mathbf{bw} = [\Delta \mathbf{W}]$ w x Qstd + bw) ² x (760 / Pa) x (
Remarks:								
Conducted by:	Wong Shi	ng Kwai Signature	<u>k</u>	N. - J Xoz-	Date: 11-Mar-22			
Checked by:	Henry I	Leung Signature	- \-len	- jan -	Date: 11-Mar-22			



File No. MA20003/18/0014

Project No.	CKL 1 - Flat 1	21 Cha Kwo Ling	g Village				
Date:	5-N	May-22	Next Due Date:	5-Jul-22	Operator:	SK	
Equipment No.:	A-4	01-18	Model No.:	TE 5170	Serial No.	0723	
			Ambient Condi	ition			
Temperatu	ıre, Ta (K)	297.2	Pressure, Pa (mmH	Hg)	759.3		

Orifice Transfer Standard Information								
Serial No. 3864 Slope, mc 0.05922 Intercept, bc -0.02420								
Last Calibration Date:	Last Calibration Date: 31-Jan-22 $\operatorname{mc} \mathbf{x} \operatorname{Qstd} + \mathbf{bc} = [\Delta \mathbf{H} \mathbf{x} (\mathbf{Pa}/760) \mathbf{x} (298/\mathbf{Ta})]^{1/2}$							
Next Calibration Date:								

		Calibration of	f TSP Sampler		
Calibration		Orfice			HVS
Point	ΔH (orifice), in. of water	$[\Delta H \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2} $ Y- axis
1	13.2	3.64	61.81	10.2	3.20
2	10.4	3.23	54.91	8.3	2.88
3	8.7	2.95	50.26	6.1	2.47
4	6.4	2.53	43.17	4.3	2.08
5	3.7	1.93	32.92	2.0	1.42
Slope, mw =	ression of Y on X 0.0627 coefficient* =	0.9975	Intercept, bw :	-0.640)5
*If Correlation C	Coefficient < 0.99), check and recalibrate.	Calculation		
From the TSP Fi	eld Calibration C	urve, take Qstd = 43 CFM	Calculation		
		e "Y" value according to			
	-	$\mathbf{mw} \mathbf{x} \mathbf{Qstd} + \mathbf{bw} = [\Delta \mathbf{W}]$ v x Qstd + bw) ² x (760 / Pa) x (298/Ta)] ^{1/2} 4.22	;
Remarks:					
Conducted by:	Wong Shi	ng Kwai Signature	<u> </u>	火.	Date: 5-May-22
Checked by:	Henry I	Leung Signature	: \-lem	j drong	Date: 5-May-22



File No. MA20003/55/0014

Project No.	CKL 2 - Flat 1	03 Cha Kwo Lir	ng Village			
Date:	5-M	lay-22	Next Due Date:	5-Jul-22	Operator:	SK
Equipment No.:	A-	01-55	Model No.:	TE 5170	Serial No.	1956
			Ambient Condit	on		
Temperatu	ıre, Ta (K)	297.2	Pressure, Pa (mmH	Ig)	759.3	

	Orifice Transfer Standard Information							
Serial No. 3864 Slope, mc 0.05922 Intercept, bc -0.02420								
Last Calibration Date:	31-Jan-22	mc x Qstd + bc = $[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$						
Next Calibration Date:	Next Calibration Date: 31-Jan-23 $Qstd = \{ [\Delta H x (Pa/760) x (298/Ta)]^{1/2} - bc \} / mc$							

Calibration of TSP Sampler								
Calibration		Orfice			HVS			
Point	ΔH (orifice), in. of water	[ΔH x (Pa/760) x (298/Ta)] ^{1/2}	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$ Y-axis			
1	13.1	3.62	61.58	10.1	3.18			
2	11.1	3.33	56.72	7.8	2.80			
3	8.8	2.97	50.55	6.2	2.49			
4	5.5	2.35	40.05	3.5	1.87			
5	3.1	1.76	30.17	2.0	1.42			
By Linear Regression of Y on X Slope , mw = 0.0555 Intercept, bw : -0.3042 Correlation coefficient* = 0.9972 *If Correlation Coefficient < 0.990, check and recalibrate.								
		Set Point C	Calculation					
		urve, take Qstd = 43 CFM e "Y" value according to						
From the Regress	sion Equation, the							
Therefore, Se	et Point; W = (mv	$\mathbf{mw} \mathbf{x} \mathbf{Qstd} + \mathbf{bw} = [\Delta \mathbf{W}]$ v x Qstd + bw) ² x (760 / Pa) x (
Remarks:								
Conducted by:	Wong Shi	ng Kwai Signature	:	N. 1 Xoz	Date: 5-May-22			
Checked by:	Henry I	Leung Signature	:len	j Koz	Date: 5-May-22			

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File No. MA20003/04/0012

Project No.	KER 1 - Future	e Residential De	velopment at Kerry Godov	vn		
Date:	<u> </u>	May-22	Next Due Date:	11-Jul-22	Operator:	SK
Equipment No.:	A-/	01-04	Model No.:	TE 5170	Serial No.	10595
			Ambient Condit	ion		
Temperatu	ıre, Ta (K)	298	Pressure, Pa (mmI	Hg)	755.7	

Orifice Transfer Standard Information							
Serial No. 3864 Slope, mc 0.05922 Intercept, bc -0.02420							
Last Calibration Date:	31-Jan-22	1	mc x Qstd + bo	$c = [\Delta H \ x \ (Pa/760) \ x \ (298/Ta)]$] ^{1/2}		
Next Calibration Date:	Next Calibration Date: 31-Jan-23 $Qstd = \{ [\Delta H \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2} - bc \} / mc$						

		Calibration of	TSP Sampler		
Calibration		Orfice			HVS
Point	ΔH (orifice), in. of water	[ΔH x (Pa/760) x (298/Ta)] ^{1/2}	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$ Y-axis
1	13.3	3.64	61.82	9.7	3.11
2	10.6	3.25	55.23	7.3	2.69
3	8.4	2.89	49.21	5.8	2.40
4	5.4	2.32	39.54	3.3	1.81
5	3.2	1.78	30.53	2.1	1.45
Slope , mw = Correlation	ression of Y on X 0.0536 coefficient* =	0.9976	Intercept, bw	-0.240	2
*If Correlation C	Coefficient < 0.990), check and recalibrate.			
Energy (her TSD E)		Set Point (Calculation		
		urve, take Qstd = 43 CFM			
	-	w x Qstd + bw = $[\Delta W$ w x Qstd + bw $)^2$ x (760 / Pa) x (98/Ta)] ^{1/2}	
Remarks:					
Conducted by:	Wong Shi	ng Kwai Signature	: <u> </u>	<u>у</u>	Date: 11-May-22
Checked by:	Henry I	Leung Signature	: \-len	, May	Date: 11-May-22



File No. MA20003/44/0013

Project No.	KTD1 - Centre	of Excellence ir	n Paediatrics (Children's H	ospital)			
Date:	11-N	May-22	Next Due Date:	11-Jul-22	Operator:	SK	
Equipment No.:	A-(01-44	Model No.:	TE-5170	Serial No.	1316	
			Ambient Conditi	ion			
Temperatu	ure, Ta (K)	298	Pressure, Pa (mmH	Hg)	755.7		

Orifice Transfer Standard Information							
Serial No. 3864 Slope, mc 0.05922 Intercept, bc -0.02420							
Last Calibration Date:	31-Jan-22	22 mc x Qstd + bc = $[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$					
Next Calibration Date:	Next Calibration Date: 31-Jan-23 $Qstd = \{ [\Delta H \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2} - bc \} / mc$						

Calibration of TSP Sampler									
Calibration		Orfice		HVS					
Point	ΔH (orifice), in. of water	[ΔH x (Pa/760) x (298/Ta)] ^{1/2}	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$ Y-axis				
1	13.2	3.62	61.59	9.9	3.14				
2	11.1	3.32	56.51	7.6	2.75				
3	8.6	2.92	49.79	5.7	2.38				
4	5.8	2.40	40.96	3.5	1.87				
5	3.3	1.81	31.00	1.9	1.37				
Slope , mw =	By Linear Regression of Y on X Slope , mw = <u>0.0570</u> Intercept, bw : <u>-0.4332</u> Correlation coefficient* = <u>0.9978</u>								
*If Correlation C	*If Correlation Coefficient < 0.990, check and recalibrate.								
Enous the TSD E	ald Calibration C	Set Point C	alculation						
		urve, take Qstd = 43 CFM							
	-	w x Qstd + bw = $[\Delta W$ w x Qstd + bw) ² x (760 / Pa) x (98/Ta)] ^{1/2} 4.10					
Remarks:									
Conducted by:	Wong Shi	ng Kwai Signature	: <u>k</u>	火.	Date: 11-May-22				
Checked by:	Henry I	Leung Signature	- \-lem	, Xoy	Date: 11-May-22				



File No. MA20003/41/0012

Project No.	b. KTD 2D - Next to the SOR Office of Trunk Road T2 in Kai Tak Area								
Date:	11-May-22		Next Due Date:	11-J	Jul-22	Operator:	SK		
Equipment No.:	: A-01-41		Model No.: TE 517		5170 Serial No.		5280		
Ambient Condition									
Temperatu	Temperature, Ta (K)298Pressure, Pa (mmHg)755.7								
	Orifice Transfer Standard Information								
	1	2011	C1	0.05022	τ.	. 1	0.02.120		

Serial No.	3864	Slope, mc	0.05922	Intercept, bc	-0.02420
Last Calibration Date:	31-Jan-22	1	nc x Qstd + bo	$c = [\Delta H \ x \ (Pa/760) \ x \ (298/Ta)]$] ^{1/2}
Next Calibration Date:	31-Jan-23	Qstd = { $[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$ -bc} / n		mc	

Calibration of TSP Sampler									
Calibration		Orfice		HVS					
Point	ΔH (orifice), in. of water	$[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$ Y-axis				
1	13.3	3.64	61.82	10.1	3.17				
2	10.5	3.23	54.97	8.3	2.87				
3	8.7	2.94	50.07	6.1	2.46				
4	6.3	2.50	42.67	4.3	2.07				
5	3.5	1.87	31.91	2.2	1.48				
Slope , mw = Correlation	By Linear Regression of Y on X Slope , mw =0.0577 Intercept, bw :0.3766 Correlation coefficient* =0.9973 *If Correlation Coefficient < 0.990, check and recalibrate.								
Enome the TCD E	Set Point Calculation								
	From the TSP Field Calibration Curve, take Qstd = 43 CFM								
From the Regres	From the Regression Equation, the "Y" value according to								
$mw \ x \ Qstd + bw = [\Delta W \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$ Therefore, Set Point; W = (mw x Qstd + bw) ² x (760 / Pa) x (Ta / 298) =									
Remarks:									
Conducted by:	Wong Shi		: <u>k</u>	<u>Д.</u>	Date: 11-May-22				
Checked by:	Henry I	Leung Signature	: \-len	N- Janj	Date: 11-May-22				





Certificate of Calibration

Calibration Certification Information								
Cal. Date:	January 31	, 2022	Rootsi	meter S/N:	438320	Ta:	°K	
Operator:	Jim Tisch				Pa:	752.6	mm Hg	
			prator S/N:	3864			0	
								1
		Vol. Init	Vol. Final	ΔVol.	ΔTime	ΔΡ	ΔΗ	
	Run	(m3)	(m3)	(m3)	(min)	(mm Hg)	(in H2O)	
	1	1	2	1	1.4490	3.2	2.00	
	2	3	4	1	1.0320	6.4	4.00	
	3	5	6	1	0.9160	7.9	5.00	
	4	7	8	1	0.8730	8.8	5.50 8.00	
		9				1.2.7	8.00]
	L			Data Tabula	tion			
	Vstd	Qstd	$\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right)}$)(<u>Tstd</u>) Ta)		Qa	$\sqrt{\Delta H (Ta/Pa)}$	
	(m3)	(x-axis)	(y-ax	is)	Va	(x-axis)	(y-axis)	
	0.9995	0.6898	1.416		0.9957	0.6872	0.8839	
	0.9952	0.9643	2.0037		0.9915	0.9608	1.2500	
	0.9932	1.0843	2.240		0.9895	1.0802	1.3976	
	0.9920	1.1363	2.349		0.9883	1.1321	1.4658	
	0.9868	1.3649	2.833		0.9831	1.3598	1.7678	
			2.09281			m=	1.31048	
	QSTD	b=	-0.024		QA	b=	-0.01514	
		L=	0.999	.99993		ľ=	0.99993	I
				Calculatio				
			/Pstd)(Tstd/Ta	a)		Va= ΔVol((Pa-ΔP)/Pa)		
	Qstd=	Vstd/∆Time			Qa= Va/ΔTime			
			For subsequ	ent flow ra	te calculatio	ns:		
	Qstd=	Qstd= $1/m \left(\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)} \right)$			Qa=	1/m ((√∆H	I(Ta/Pa))-b)	
	Standard	Conditions						
Tstd:					RECALIBRATION			
Pstd: 760 mm Hg					LIS EDA recommende annual recelibration per 1000			
Key					US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51,			
ΔH: calibrator manometer reading (in H2O) ΔP: rootsmeter manometer reading (mm Hg)					-			
	a: actual absolute temperature (°K)				Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in			
		ressure (mm					erided Particulation erided Particulation erided Particulation erided eride	
b: intercept					LTI(e Aunosphe	sie, 3.2.17, page	50
m· slone	slope							

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Certificate of Calibration - Wind Monitoring Station

Description:	Yau Lai Estate, Bik Lai House
Manufacturer:	Davis Instruments
Model No.:	<u>Davis7440</u>
Serial No.:	<u>MC01010A44</u>
Equipment No.:	<u>SA-03-04</u>
Date of Calibration	<u>19-Feb-2022</u>
Next Due Date	<u>19-Aug-2022</u>

1. Performance check of Wind Speed

Wind Sp	beed, m/s	Difference D (m/s)
Wind Speed Reading (V1)	Anemometer Value (V2)	D = V1 - V2
0.0	0.0	0.0
1.5	1.5	0.0
2.5	2.5	0.0
4.2	4.3	-0.1

2. Performance check of Wind Direction

Wind Di	rection (°)	Difference D (°)
Wind Direction Reading (W1)	Marine Compass Value (W2)	$\mathbf{D} = \mathbf{W1} - \mathbf{W2}$
0	0	0.0
90	90	0.0
180	180	0.0
270	270	0.0

Test Specification:

- 1. Performance Wind Speed Test The wind meter was on-site calibrated against the anemometer
- 2. Performance Wind Direction Test The wind meter was on-site calibrated against the marine compass at four direction