ALS Technichem (HK) Pty Ltd

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



SUB-CONTRACTING REPORT

CONTACT : MR MAGNUM FAN WORK ORDER : HK2502558

CLIENT : ENVIROTECH SERVICES CO.

ADDRESS : RM 712, 7/F, MY LOFT 9 HOI WING ROAD, SUB-BATCH : 1

TUEN MUN, N.T. HK

DATE RECEIVED : 15-JAN-2025

DATE OF ISSUE : 21-JAN-2025

PROJECT : ---- NO. OF SAMPLES : 1

CLIENT ORDER :--

General Comments

• Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the
item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition.

Calibration was subcontracted to Envirotech Services Company.

Signatories

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories Position

Richard Fung

Managing Director

: HK2502558 WORK ORDER

SUB-BATCH

: 1 : ENVIROTECH SERVICES CO. CLIENT

PROJECT



ALS Lab	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK2502558-001	Sibata LD-3B (456666)	Equipments	02-Jan-2025	S/N: 456666

----- END OF REPORT -----

 $\mathsf{Page}: 2 \ \mathsf{of} \ 2$



Envirotech Services Co.

Rm. 712, 7/F My Loft, 9 Hoi Wing Roed, Tuen Mun, H.K. Tel: 2560 8450 Fax: 2560 6553

E-mail; envirotech@netvigator.com

Equipment Verification Report (TSP)

Equipment Calibrated:

Type:

Laser Dust Monitor

Manufacturer:

Sibata LD-3B

Serial No.:

456666

Equipment Ref.:

N/A

ALS Job Order:

HK2500343

Standard Equipment

Standard Equipment:

High Volume Sampler (TSP)

Location:

Envirotech Room (Calibration Room)

Equipment Ref.:

HVS 8162

Last Calibration Date:

1-Jan-2025

Equipment Verification Results:

Verification Date:

2-Jan-2025

Hour	Time	Mean Temp°C	Mean Pressure	TSP Level in mg (Standard Equipment)	Total Count (Calibrated Equipment)
	3		(hpa)	(Y-Axis)	(X-Axis)
1hr 00mins	0900-1000	16.1	1023	0.096	giaeh ta noitata 76 notinom quite?
2hr 00mins	1005-1205	20.5	1022	0.147	160
3hr 00mins	1330-1630	21.0	1022	0.268	248

Linear Regression of Y or X

Slope (K-factor):

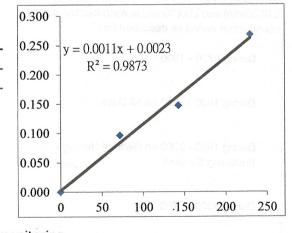
0.0011(mg)/Count

Correlation Coefficient (R):

0.9936

Date of Issue:

15-Jan-2025



Remarks:

- 1. Strong Correlation (>0.8)
- 2. Factor 0.0011 mg/Count should be applied for TSP monitoring

Operator:

P.F.Yeung

Signature

Val

Date: 15 Jan 2025

QC Reviewer:

K.F.Ho

Signature

at the

Date: 15 Jan 2025

^{*}If R<0.5, repair or verification is required for the equipment

TSP SAMPLER CALIBRATION CACULATION SPREADSHEET

Location HVS ID:	01.60		oft, Tuen M	un			Date of Calil		1-Jan-25
Name and		TICCII	IDIC Mada	1 TO D. E	170		Next Calibra	tion Date:	31-Mar-25
ivame and	i Model:	112CH	HVS Mode			2710	Operator:		K.F.Ho
ann e Metorthologia de l'Ambag				CON	DITIC	DIN2		ganetinet/fishem	
	Sea Leve Tempera		, . ,		1023 15.8	ione in	Corrected Pro Temperature	essure (mm Hg) (K)	767.3 288.8
	Province and the second second			CALI	BRA'	TION (ORIFICE	s to xavelen this nam	
			Make: Model: Serial#:	TE-50	SCH)25A 2454		Qstd Slope Qstd Intercep	ot [2.08315 -0.04938
. Sen I			Station 3	CALI	BRA'	TION	Los arossor		
Plate	H2O(L)	H20(R)	H2O	Qst	td	I	IC	the his monitori	INEAR
No.	(in)	(in)	(in)	(m3/r	1	(chart)	(corrected)	BEELD VELLEBOAY I BUT	REGRESSION
18	6.4	6.4	12.8	1.77	77	62	63.30	Slope= 3	
13	5.3	5.3	10.6	1.63	19	56	57.17	Intercept= -	
10	4.2	4.2	8.4	1.44	14	48	49.00	Corr. Coeff.= 0	.9959
7	2.7	2.7	5.4	1.16	53	41	41.86		
5	1.7	1.7	3.4	0.92	27	32	32.67	era Dan (masos jur 1.,	(Seed) paul to la
Calulations						. 03	<u>has snakkae</u> on sammet for	<mark>l instrumento le cesto d</mark> Secondal Audio mares	t iga manakanang ti Salah manakanan histori
		7° (D°4 4) (C	P-4-1/7P-1\ 1-1		IC 70			Flow Rate	
	[Sqrt(H2O(F (Pa/Pstd)(Ts		1 Sta/ 1 a))-b]			E	orem enger son: of alastog prehess	g nose aresequentar - seme identifica mes	
ic – Ilodiu	(1 a/1 stu)(1 s	u/1a)]			65	-			yali Swieyasatap
Ostd = stan	dard flow ra	ite			60	Ē		land made	
	ted chart res				55	-		4 months 3511 3	SECTION AND DESCRIPTION
	hart respons	_				E			1091 - 0071 oni
	ator Qstd slo				50	=	bos anothered (bolomiest & italia	genolieum quit
= calibra	tor Qstd inte	ercept			45	- mri	tog optista ga		d lood in to be
Ta = actual	temperature	during c	alibration (d	eg K)	40	=	onalyotha Theig	<u> </u>	eh iv day resing i iv iv designation
			ration (mm I		35	7.31		Miles in pancinom a	SP) including the
					30	-		Anad Station Apple 175	en Busino stuestus
			umpler flow:			-		•	rina 1900 - 2200
ı/m((1)[Sqri	t(298/Tav)(F	'av//60)]	-b)	18	25		Hocapons and	uelangiaeb is noteta	principada quil
n = sampl	er slope				20	10	<u>POLYEDAD FORS</u> POÚS PEROPUO S	ika ficilisis panalinad dust nocialogistisch	Lasg sono buba Jasgmi dirik bok
	er intercept				15	<u> </u>	* (927)	epended Semenders	A lost west to
= chart re					10	E	gramita a situte	enco revo faraso sel e edeb è bondo a lot	witos noitoman
						07.00	2 00 10 11	12 12 14 15	1 (17 10

Tav = daily average temperature

Pav = daily average pressure

0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9

Qstd(m3/min)



RECALIBRATION DUE DATE:

December 2, 2025

Certificate of Calibration

Calibration Certification Information

Cal. Date:

December 2, 2024

Rootsmeter S/N: 438320

Ta: 293
Pa: 757.4

°K

Operator: Jim Tisch

mm Hg

Calibration Model #:

TE-5025A

Calibrator S/N: 2454

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4200	3.2	2.00
2	3	4	1	1.0170	6.4	4.00
3	5	6	1	0.9090	7.9	5.00
4	7	8	1	0.8700	8.8	5.50
5	9	10	1	0.7140	12.8	8.00

		Data Tabula	tion		
Vstd	Qstd	$\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right) \left(\frac{Tstd}{Ta}\right)}$		Qa	√∆H(Ta/Pa)
(m3)	(x-axis)	(y-axis)	Va	(x-axis)	(y-axis)
1.0093	0.7108	1.4238	0.9958	0.7013	0.8796
1.0051	0.9883	2.0136	0.9916	0.9750	
1.0031	1.1035	2.2512	0.9896	1.0886	1.3907
1.0018	1.1515	2.3611	0.9884	1.1361	1.4586
0.9965	1.3956	2.8476	0.9831	1.3769	
	m=	2.08315		m=	1.30443
QSTD	b=	-0.04938	QA	b=	-0.03050
2010	r=	0.99985		r=	0.99985

	Calculatio	ns	
Vstd=	ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta)	Va=	ΔVol((Pa-ΔP)/Pa)
	Vstd/ΔTime	Qa=	Va/ΔTime
	For subsequent flow ra	te calculatio	ns:
Qstd=	$1/m\left(\left(\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}\right)-b\right)$	Qa=	$1/m\left(\left(\sqrt{\Delta H(Ta/Pa)}\right)-b\right)$

	Standard Conditions
Tstd:	298.15 °K
Pstd:	760 mm Hg
	Key
ΔH: calibrato	or manometer reading (in H2O)
ΔP: rootsme	ter manometer reading (mm Hg)
Ta: actual ab	solute temperature (°K)
Pa: actual ba	rometric pressure (mm Hg)
b: intercept	
m: slope	

RECALIBRATION

US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

Tisch Environmental, Inc. 145 South Miami Avenue Village of Cleves, OH 45002 www.tisch-env.com

TOLL FREE: (877)263-7610 FAX: (513)467-9009

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



SUB-CONTRACTING REPORT

CONTACT

: MR MAGNUM FAN

WORK ORDER

HK2444148

CLIENT

: ENVIROTECH SERVICES CO.

ADDRESS

: RM 712, 7/F, MY LOFT 9 HOI WING ROAD,

SUB-BATCH

: 1 DATE RECEIVED : 23-OCT-2024

TUEN MUN, N.T. HK

DATE OF ISSUE : 29-OCT-2024

NO. OF SAMPLES : 1

PROJECT

CLIENT ORDER

General Comments

Sample Information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

- Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.
- Calibration was subcontracted to Envirotech Services Company.
- Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition.

Signatories

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories

Position

Richard Fung

Managing Director

WORK ORDER

CLIENT PROJECT : HK2444148

SUB-BATCH

: 1 : ENVIROTECH SERVICES CO.



ALS Lab	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.	
HK2444148-001	Sibata LD-5R (781281)	Equipments	19-Oct-2024	S/N: 781281	

----- END OF REPORT -----



Envirotech Services Co.

Rm. 712, 7/F My Loft. 9 Hol Wing Road Toan Mun. H.K. Tel: 2560 8450

E-mail, envirotech@netvipator.com

Equipment Verification Report (TSP)

Equipment Calibrated:

Type:

Laser Dust Monitor

Manufacturer:

Sibata LD-5R

Serial No.:

781281

Equipment Ref.:

N/A

ALS Job Order:

HK2443150

Standard Equipment

Standard Equipment:

High Volume Sampler (TSP)

Location:

Envirotech Room (Calibration Room)

Equipment Ref .:

HVS 8162

Last Calibration Date:

19-Oct-2024

Equipment Verification Results:

Verification Date:

19-Oct-2024

Hour	Time	Mean Temp°C	Mean Pressure (hpa)	Concentration in µg/m³ (Standard Equipment) (Y-Axis)	Concentration in µg/m ³ (Calibrated Equipment) (X Axis)
1hr 00mins	0905-1005	27.6	1015	96	91
2hr 00mins	1015-1215	29.2	1014	101	99
3hr 00mins	1410-1710	29.8	1014	137	129

Linear Regression of Y or X

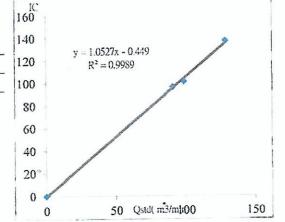
Slope (K-factor):

1.0527(µg/m³)/CPM

Correlation Coefficient (R):

Date of Issue:

0.9995 23-Oct-2024



Remarks:

1. Strong Correlation (>0.8)

Factor 1.0527(ug/m³)/CPM should be applied for TSP monitoring

Operator:

P.F.Yeung Signature

Date: 23 Oct 2024

QC Reviewer:

K.F.Ho

Signature

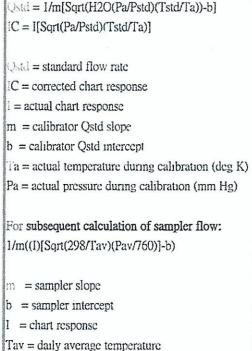
(//

Date: 23 Oct 2024

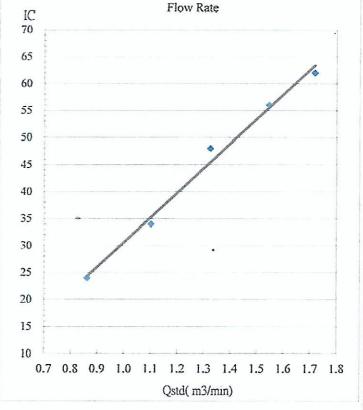
^{*}If R<0.5, repair or verification is required for the equipment

TSP SAMPLER CALIBRATION CACULATION SPREADSHEET

Location: Rm. 712, My Loft, Tuen Mun Date of Calibration: 19-Oct-24 HVS ID: 8162 Next Calibration Date: 19-Dec-24 Name and Model: TISCH HVS Model TE-5170 Operator: K.F.Ho CONDITIONS Sea Level Pressure (hpa) 1015 Corrected Pressure (mm Hg) 761.3 26.0 Temperature (K) 299 Temperature (°C) CALIBRATION ORIFICE Make: TISCH **Qstd Slope** 2.07544 Model: TE-5025A Ostd Intercept -0.03205Senal#: 2454 CALIBRATION H2O(L) H20(R) Plate H₂O IC Ostd I LINEAR No. (in) (in) (m3/min) (chart) (in) (corrected) REGRESSION 18 6.1 6.4 12.5 1.718 62 61.97 Slope= 45.67 13 4.9 5.2 10.1 1.546 56 55.97 Intercept= -15.103 10 3.6 3.8 7.4 1.325 48 47.97 Corr. Coeff.= 0.9947 7 2.7 2.4 5.1 1.103 34 33.98 5 1.4 1.7 3.1 0.863 24 23.99 Calulations: Flow Rate IC Qstd = 1/m[Sqrt(H2O(Pa/Pstd)(Tstd/Ta))-b]70 IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]65 60 Qstd = standard flow rate IC = corrected chart response 55 l = actual chart response 50



Pav = daily average pressure





TE-5025A

RECALIBRATION DUE DATE:

December 15, 2024

Certificate of Calibration

Calibration Certification Information

Cal. Date: December 15, 2023

Rootsmeter S/N: 438320

Ta: 295

°K

Operator: Jim Tisch

Pa: 748.5

mm Hg

Calibration Model #:

Calibrator S/N: 2454

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4250	3.2	2.00
2	3	4	1	1.0090	6.4	4.00
3	5	6	1	0.9040	7.9	5.00
4	7	8	1	0.8610	8.8	5.50
5	9	10	1	0.7110	12.8	8.00

		Data Tabula	tion		
Vstd	Qstd	$\sqrt{\Delta H(\frac{Pa}{Pstd})(\frac{Tstd}{Ta})}$		Qa	√∆H(Ta/Pa)
(m3)	(x-axis)	(y-axis)	Va	(x-axis)	(y-axis)
0.9907	0.6952	1.4106	0.9957	0.6988	0.8878
0.9864	0.9776	1.9949	0.9914	0.9826	1.2556
0.9844	1.0890	2.2304	0.9894	1.0945	1.4037
0.9832	1.1420	2.3393	0.9882	1.1478	1.4723
0.9779	1.3754	2.8213	0.9829	1.3824	1.7756
	m=	2.07544		m=	1.29961
QSTD	b=	-0.03205	QA	b=	-0.02017
	r=	0.99999		r=	0.99999

Calculation	ons
Vstd= ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta)	Va= ΔVol((Pa-ΔP)/Pa)
Qstd= Vstd/ΔTime	Qa= Va/ΔTime
For subsequent flow r	ate calculations:
Qstd= $1/m \left(\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)} \right) - b \right)$	$Qa = 1/m \left(\left(\sqrt{\Delta H \left(Ta/Pa \right)} \right) - b \right)$

	Standard Conditions
Tstd:	298.15 °K
Pstd:	760 mm Hg
	Key
ΔH: calibrator	manometer reading (in H2O)
ΔP: rootsmete	er manometer reading (mm Hg)
Ta: actual abs	olute temperature (°K)
Pa: actual bar	ometric pressure (mm Hg)
b: intercept	
m: slope	

RECALIBRATION

US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

Tisch Environmental, Inc. 145 South Miami Avenue Village of Cleves, OH 45002 www.tisch-env.com

TOLL FREE: (877)263-7610

FAX: (513)467-9009

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



SUB-CONTRACTING REPORT

CONTACT : MR MAGNUM FAN WORK ORDER : HK2509157

CLIENT : ENVIROTECH SERVICES CO.

ADDRESS : RM 712, 7/F, MY LOFT 9 HOI WING ROAD, SUB-BATCH : 1

TUEN MUN, N.T. HK

DATE RECEIVED : 6-MAR-2025

DATE OF ISSUE : 11-MAR-2025

: ---- NO. OF SAMPLES : 1

CLIENT ORDER ÷

General Comments

• Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the
item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition.

Signatories

PROJECT

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories Position

Richard Fung

Managing Director

: HK2509157 WORK ORDER

SUB-BATCH

: 1 : ENVIROTECH SERVICES CO. CLIENT

PROJECT



ALS Lab	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK2509157-001	Sibata LD-5R (841723)	Equipments	25-Feb-2025	S/N; 841723

----- END OF REPORT -----

 $\mathsf{Page}: 2 \ \mathsf{of} \ 2$



Envirotech Services Co.

Rm. 712, 7/F My Loft, 9 Hoi Wing Road, Tuen Mun, H.K. Tel: 2560 8450 Fax: 2560 6553

E-mail: envirotech@netvigator.com

Equipment Verification Report (TSP)

Equipment Calibrated:

Type:

Laser Dust Monitor

Manufacturer:

Sibata LD-5R

Serial No.:

841723

Equipment Ref.:

N/A

ALS Job Order:

HK2507883

Standard Equipment

Standard Equipment:

High Volume Sampler (TSP)

Location:

Envirotech Room (Calibration Room)

Equipment Ref.:

HVS 8162

Last Calibration Date:

1-Jan-2025

Equipment Verification Results:

Verification Date:

25-Feb-2025

Hour	Time	Mean Temp °C	Mean Pressure (hpa)	TSP Level in mg (Standard Equipment) (Y-Axis)	Total Count (Calibrated Equipment) (X-Axis)
1hr 00mins	1005-1105	16.2	1022.3	0.041	35
2hr 00mins	1310-1510	18.1	1022.5	0.152	106
3hr 00mins	1515-1815	18.2	1022.6	0.152	111

Linear Regression of Y or X

Slope (K-factor):

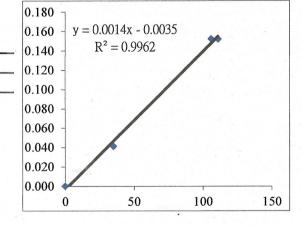
0.0014(mg)/Count

Correlation Coefficient (R):

0.9981

Date of Issue:

4-Mar-2025



Remarks:

1 . Strong Correlation (>0.8)

2. Factor 0.0014(mg)/Count should be applied for TSP monitoring

*If R<0.5, repair or verification is required for the equipment

Operator:

P.F.Yeung

VI

Date: 04 March 2025

QC Reviewer:

K.F.Ho

Signature

Signature

190

Date: 04 March 2025

TSP SAMPLER CALIBRATION CACULATION SPREADSHEET

Location: Rm. 712, My Loft, Tuen Mun Date of Calibration: 1-Jan-25 HVS ID: 31-Mar-25 8162 Next Calibration Date: Name and Model: TISCH HVS Model TE-5170 Operator: K.F.Ho CONDITIONS 1023 Sea Level Pressure (hpa) Corrected Pressure (mm Hg) 767.3 15.8 288.8 Temperature (K) Temperature (°C) **CALIBRATION ORIFICE** Make: TISCH Ostd Slope 2.08315

CALIBRATION

2454

TE-5025A

Model:

Serial#:

				OI IIIII			
Plate	H2O(L)	H20(R)	H2O	Qstd	I	IC	LINEAR
No.	(in)	(in)	(in)	(m3/min)	(chart)	(corrected)	REGRESSION
18	6.4	6.4	12.8	1.777	62	63.30	Slope= 35.208
13	5.3	5.3	10.6	1.619	56	57.17	Intercept= -0.0015
10	4.2	4.2	8.4	1.444	48	49.00	Corr. Coeff.= 0.9959
7	2.7	2.7	5.4	1.163	41	41.86	
5	1.7	1.7	3.4	0.927	32	32.67	

Qstd Intercept

-0.0493

Calulations:

Qstd = 1/m[Sqrt(H2O(Pa/Pstd)(Tstd/Ta))-b]

IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate

IC = corrected chart response

I = actual chart response

m = calibrator Qstd slope

b = calibrator Qstd intercept

Ta = actual temperature during calibration (deg K)

Pa = actual pressure during calibration (mm Hg)

For subsequent calculation of sampler flow:

1/m((I)[Sqrt(298/Tav)(Pav/760)]-b)

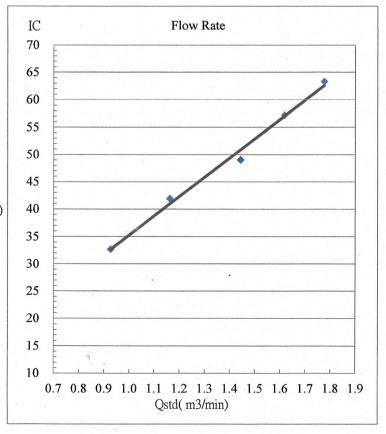
m = sampler slope

b = sampler intercept

I = chart response

Tav = daily average temperature

Pav = daily average pressure







RECALIBRATION DUE DATE:

December 2, 2025

Certificate of Calibration

Calibration Certification Information

Cal. Date: D

December 2, 2024

Rootsmeter S/N: 438320

Ta: 293

°K

Operator: Jim

Jim Tisch

Pa: 757.4

mm Hg

Calibration Model #:

TE-5025A

Calibrator S/N: 2454

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4200	3.2	2.00
2	3	4	1	1.0170	6.4	4.00
3	5	6	1	0.9090	7.9	5.00
4	7	8	1	0.8700	8.8	5.50
5	9	10	1	0.7140	12.8	8.00

	Data Tabulation						
Vstd	Qstd	$\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right) \left(\frac{Tstd}{Ta}\right)}$		Qa	√∆H(Ta/Pa)		
(m3)	(x-axis)	(y-axis)	Va	(x-axis)	(y-axis)		
1.0093	0.7108	1.4238	0.9958	0.7013	0.8796		
1.0051	0.9883	2.0136	0.9916	0.9750	1.2439		
1.0031	1.1035	2.2512	0.9896	1.0886	1.3907		
1.0018	1.1515	2.3611	0.9884	1.1361	1.4586		
0.9965	1.3956	2.8476	0.9831	1.3769	1.7592		
	m=	2.08315		m=	1.30443		
QSTD	b=	-0.04938	QA	b=	-0.03050		
رادي	r=	0.99985		r=	0.99985		

	Calculation	ns .	
Vstd=	ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta)	Va=	ΔVol((Pa-ΔP)/Pa)
	Vstd/ΔTime	Qa=	Va/ΔTime
	For subsequent flow rat	e calculatio	ns:
Qstd=	$1/m\left(\left(\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}\right)-b\right)$	Qa=	$1/m\left(\left(\sqrt{\Delta H(Ta/Pa)}\right)-b\right)$

	Standard Conditions
Tstd:	298.15 °K
Pstd:	760 mm Hg
	Key
ΔH: calibrate	or manometer reading (in H2O)
	ter manometer reading (mm Hg)
	osolute temperature (°K)
Pa: actual ba	arometric pressure (mm Hg)
b: intercept	
m: slope	

RECALIBRATION

US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

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