

Report No. : 221149WA221718A



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Report on Calibration of HORIBA Multifunction Meter**Information Supplied by Client**

Client : ENVIROTECH SERVICE COMPANY

Client's address : RM721, 7/F, MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T.,
HONG KONG

Calibration Item

Description	:	Multifunctional Meter
Manufacturer	:	HORIBA
Model	:	U-53
Serial No.	:	LuAVCDWu
Equipment No.	:	FXMONLLF

Laboratory Information

Lab. sample ID : WA221718/1

Date sample received : 23/08/2022

Date of calibration : 06/09/2022

Next calibration date : 05/12/2022

Test method used : In-house comparison method

Note : This report refers only to the sample(s) tested and the result(s) applied to the sample(s) as received.

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Results :
A. pH calibration

pH value at 25°C			
Theoretical	Measured	Deviation (pH value)	Maximum acceptable Deviation (pH value)
4.00	4.00	0.00	±0.20
6.86	6.80	-0.06	
9.18	9.02	-0.16	

B. Salinity calibration

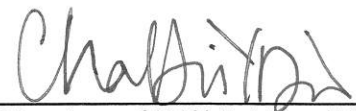
Salinity, ppt			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
1	0.96	-0.04	±10.0
10	10.18	+1.8	
20	19.94	-0.03	
30	29.88	-0.4	
40	39.56	-1.1	

C. Dissolved Oxygen calibration

Dissolved oxygen content, mg/L			
Theoretical	Measured	Deviation (mg/L)	Maximum acceptable Deviation (mg/L)
7.98	7.85	-0.13	±0.20
5.47	5.44	-0.03	
2.94	2.98	+0.04	

Remark : 1. This report is to supersede our former report #221149WA221718.

2. Amendment detail : Amend the pH calibration result.

Certified by : 
Approved Signatory : CHAN Hoi Yan, Winnie
Assistant Manager
Date : 19-9-2011

Note : This report refers only to the sample(s) tested and the result(s) applied to the sample(s) as received.

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Results :
D. Temperature calibration

Temperature, °C			
Thermometer reading	Measured	Deviation (°C)	Maximum acceptable Deviation (°C)
23.5	23.96	+0.46	±2.0

E. Turbidity calibration

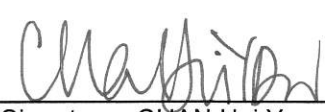
Turbidity, N.T.U.			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
4	4.24	+6	±10.0
8	8.48	+6	
40	40.3	+0.8	
100	98.1	-1.9	

F. Conductivity calibration

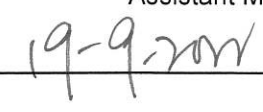
Conductivity, µS/cm			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
147	159	+8.2	±10.0
1408	1390	-1.3	
6668	6320	-5.2	
12860	12800	-0.47	
24820	24100	-2.9	

Remark : 1. This report is to supersede our former report #221149WA221718.

2. Amendment detail : Amend the pH calibration result.

Certified by : 
Approved Signatory : CHAN Hoi Yan, Winnie

Assistant Manager

Date : 

** End of Report **

Note : This report refers only to the sample(s) tested and the result(s) applied to the sample(s) as received.

Report No. : 221149WA222493



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Report on Calibration of HORIBA Multifunction Meter**Information Supplied by Client**

Client : ENVIROTECH SERVICE COMPANY

Client's address : RM721, 7/F, MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T.,
HONG KONG**Calibration Item**Description : Multifunctional Meter
Manufacturer : HORIBA
Model : U-53
Serial No. : UAMJ30TE
Equipment No. : KP23RRSM**Laboratory Information**

Lab. sample ID : WA222493/1

Date sample received : 25/11/2022

Date of calibration : 02/12/2022

Next calibration date : 01/03/2023

Test method used : In-house comparison method

Note : This report refers only to the sample(s) tested and the result(s) applied to the sample(s) as received.

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Results :
A. pH calibration

pH value at 25°C			
Theoretical	Measured	Deviation (pH value)	Maximum acceptable Deviation (pH value)
4.00	4.00	0.00	±0.20
6.86	6.81	-0.05	

B. Salinity calibration

Salinity, ppt			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
1	1.05	+4.8	±10.0
10	10.48	+4.6	
20	20.84	+4.0	
30	31.00	+3.3	
40	41.68	+4.0	

C. Dissolved Oxygen calibration

Dissolved oxygen content, mg/L			
Theoretical	Measured	Deviation (mg/L)	Maximum acceptable Deviation (mg/L)
8.26	8.09	-0.17	±0.90
5.7	4.87	-0.83	

Certified by : 
Approved Signatory : CHAN Hoi Yan, Winnie
Assistant Manager

Date : 4-1-2023

Note : This report refers only to the sample(s) tested and the result(s) applied to the sample(s) as received.

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Results :
D. Temperature calibration

Temperature, °C			
Thermometer reading	Measured	Deviation (°C)	Maximum acceptable Deviation (°C)
22.4	22.61	+0.21	±2.0

E. Turbidity calibration

Turbidity, N.T.U.			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
4	4.33	+7.6	±10.0
40	38.4	-4.2	
100	101	+1.0	

F. Conductivity calibration

Conductivity, µS/cm			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
147	155	+5.2	±10.0
1408	1440	+2.2	
6668	6520	-2.3	
12860	13300	+3.3	
24820	25000	+0.7	

Certified by : Chan Hoi Yan

Approved Signatory : CHAN Hoi Yan, Winnie
Assistant Manager

Date : 4-1-2023
**** End of Report ****
Note : This report refers only to the sample(s) tested and the result(s) applied to the sample(s) as received.