FUGRO TECHNICAL SERVICES LIMITED
Fugro Development Centre
5 Lok Yi Street, Tai Lam
Tuen Mun, NT
Hong Kong

Report No. : 221149WA222493

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

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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 : _____
Approved Signatory : CHAN Hoi Yan, Winnie
Assistant Manager

Date : 4/1/2023

** End of Report **

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