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Asia Direct Cable System – Hong Kong Segment (ADC-HK) – Chung Hom Kok

Baseline Monitoring Report

August 2022

	Name	Signature
Prepared & Checked:	Alex Chan	
Reviewed & Approved:	Lemon Lam	

Version:	Rev. 0	Date: 19 August 2022

Disclaimer

The information contained in this report is, to the best of our knowledge, correct at the time of printing. The interpretation and recommendations in the report are based on our experience, using reasonable professional skill and judgment, and based upon the information that was available to us. These interpretations and recommendations are not necessarily relevant to any aspect outside the restricted requirements of our brief. This report has been prepared for the sole and specific use of our client and AECOM Environment accepts no responsibility for its use by others.

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18 August 2022

Optic Marine Singapore Pte Ltd
c/o No 3B-13-01, Level 13, Tower 3B, UOA Business Park
No 1, Jalan Pengaturcara U1/51A
Seksyen U1, 40150, Shah Alam
Selangor, Malaysia

By Email Only
(david@opticmarine.com)

Attention: Mr. David LIM

Dear Sir

Asia Direct Cable System – Hong Kong Segment (ADC-HK) – Chung Hom Kok
Verification of Baseline Monitoring Report

Reference is made to the *Baseline Monitoring Report (Rev. 0)* dated 18 August 2022, submitted by the Environmental Team via e-mail on 18 August 2022.

We hereby verify the said Baseline Monitoring Report has complied with the requirement as set out under Condition 3.3 of the Environmental Permit.

Thank you very much for your kind attention. Please do not hesitate to contact the undersigned should you have any queries.

Yours faithfully

Cindy CHUNG
Independent Environmental Checker

cc: AECOM Ms. Lemon LAM (By Email: lemon.lam@aecom.com)

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EXECUTIVE SUMMARY

The baseline water quality monitoring was carried out 3 days per week for 4 weeks between 3 July 2022 and 30 July 2022 for all designated water quality monitoring locations described in the Project Profile. The water quality parameters such as turbidity, suspended solids, dissolved oxygen and temperature were monitored either using the calibrated equipment or by laboratory analysis.

The monitoring results were presented in this report and no major pollution source and extreme weather, which might affect the results, were observed during the baseline monitoring period. The Action and Limit levels of dissolved oxygen, suspended solids and turbidity were derived based on the baseline monitoring results and the water quality assessment criteria.

1 INTRODUCTION

1.1 Background

1.1.1 The Asia Direct Cable (ADC) system is a 38mm diameter submarine telecommunications cable that will feature multiple pairs of high capacity optical fibres and is designed to carry more than 100 Tbps of traffic, enabling high capacity transmission of data across the East and Southeast Asia regions. The ADC system will connect Tuas in Singapore, Chung Hom Kok in Hong Kong, Maruyama in Japan, Sri Racha in Thailand, Qui Nhon in Vietnam, Batangas in the Philippines and Shantou in China. ADC's high capacity allows it to support increasingly bandwidth-intensive applications, driven by technological advancements in 5G, the cloud, the Internet-of-Things and artificial intelligence. This will further enhance the expansion of communications networks in the region. The ADC system provides the highest cable capacity and necessary diversity for Asia's key information hubs, which will enable carriers and service providers to better plan their networks and services for long-term development. Installation is scheduled to be completed and the system is planned to be in service in 2022. The indicative alignment of the ADC-HK Cable is shown in **Figure 1.1**.

1.1.2 The total length of the whole ADC system will be 9,400km, of which this Project – the Hong Kong Segment (ADC-HK) – is about 34.6km in length within Hong Kong waters. Buried below the seabed, the ADC-HK Cable enters the eastern waters of Hong Kong, follows the established "east-west cable corridor (north)" and lands at an existing Beach Manhole (BMH) located at the clifftop at Chung Hom Kok (CHK), which is at the south side of Hong Kong Island. This is the same landing location as the existing two New T&T Domestic Cables, which were installed in 2001.

1.1.3 CHK is an important telecommunications and media hub in Hong Kong. There are currently two teleport substations there; GB21 Cable Station Chung Hom Kok Teleport Substation and Smartone Station Chung Hom Kok Teleport Substation. The ADC-HK Cable will be connected to the latter. It is anticipated that the CHK area will be further developed to cater for more telecommunication infrastructure in the future.

1.1.4 A Project Profile was prepared to assess potential environmental impacts associated with the installation of the submarine telecommunications cable system within Hong Kong. The Project Profile was submitted to the Environmental Protection Department (EPD) under section 5(1)(b) and 5(11) of the Environmental Impact Assessment Ordinance (EIAO) for application for permission to apply directly for an Environmental Permit (EP) (Application No.: AEP-595/2021). Permission granted by EPD via an approval letter dated 21 July 2021 (Ref.: (20) in EP2/H19/C/12) and the Environmental Permit (EP-595/2021) issued by the EPD on 23 August 2021.

1.1.5 The Project Profile recommended carrying out precautionary water quality monitoring to ensure no adverse impacts to the water quality, marine ecology and fisheries.

1.2 Purpose of Baseline Monitoring Report

1.2.1 Pursuant to the Environmental Permit (EP-595/2021) Condition 3.2 (a), baseline monitoring shall be carried out for four weeks and shall commence no later than six weeks before that start of cable installation works.

1.2.2 The purpose of this report is to review the baseline conditions of water quality at the Project site, and to establish baseline levels for water quality in accordance with the Project Profile. These levels would be used as the basis for assessing environmental impact and compliance during cable laying works of the Project.

1.2.3 This baseline monitoring report presents the baseline monitoring requirements, methodologies and monitoring results of water quality described in the Project Profile.

2 WATER QUALITY MONITORING

2.1 Monitoring Requirements

2.1.1 In accordance with the Project Profile, baseline water quality levels at 6 locations should be established by conducting baseline monitoring for at least 4 weeks prior to the commencement of cable installation works.

2.2 Monitoring Equipment

2.2.1 The brand and model of water quality monitoring equipment is given in **Table 2.1**.

Table 2.1 Water Quality Monitoring Equipment

Equipment	Brand and Model
Dissolved Oxygen Meter	YSI 6820 V2
Water Temperature Meter	
Turbiditimeter	
Water Sampler	Kahlsico Water Sampler
Echo Sounder	Lowrance x-4
Global Positioning System	Garmin GPS72H

2.3 Monitoring Locations

2.3.1 In accordance with the Project Profile, the water monitoring stations for baseline water quality monitoring is presented in **Table 2.2** and shown in **Figure 2.1**.

Table 2.2 Baseline Water Quality Monitoring Stations

Type of Station	Station	Location	Easting	Northing	Closest Distance from Cable Alignment (m)
Water Quality Monitoring Station	C3	Coral Communities at the Coast of Beaufort Island	843 300	805 761	238
	C6/C7	Coral Communities at the Coast of Sung Kong Islet and Sung Kong	846 886	805 960	180
	C8	Coral Communities at the Coast of Waglan Island	849 668	805 842	250
	F1	Po Toi FCZ	842 465	804 899	400
	F2	Spawning Grounds of Commercial Fisheries Resources	842 747	806 278	400
Control Station	CS1	Control Station	847 263	803 165	3,000

2.4 Monitoring Parameters, Frequency and Duration

2.4.1 The monitoring parameters, frequency and duration of water quality monitoring are summarized in **Table 2.3**.

Table 2.3 Water Quality Monitoring Parameters, Frequency and Duration

Parameter	Frequency and Duration
Turbidity, Suspended Solids, Dissolved Oxygen and Temperature	Three days per week, at mid-flood and mid-ebb tides for 4 weeks

2.4.2 The Baseline Water Quality Monitoring Schedule is annexed in **Appendix A**.

2.5 Monitoring Methodology

2.5.1 The water quality monitoring procedures are presented in the following:

- The water quality monitoring was carried out three times each week and interval between any two sets of monitoring were not less than 36 hours.
- For each set, monitoring was undertaken within a 4 hours window of 2 hours before and 2 hours after mid-flood and mid-ebb tides.
- All monitoring equipment were checked and calibrated before use. Responses of sensors and electrodes were also checked with certified standard solutions before each use.
- Duplicate in-situ measurements and water sampling were carried out in each sampling event.
- Measurements were taken at 3 water depths, namely, 1m below water surface, mid-depth and 1m above sea bed, except where the water depth less than 6m, the mid-depth station may be omitted. Should the water depth be less than 3m, only the mid-depth station was monitored.
- Analysis of suspended solids was carried out by ALS Technichem (HK) Pty Ltd. Sufficient water samples were collected at the monitoring stations for carrying out the laboratory analysis. The analysis followed the standard methods as described in APHA Standard Methods for the Examination of Water and Wastewater, 19th Edition (APHA 2540D for SS).
- Water samples for suspended solids measurements were collected in high density polythene bottles, packed in ice (cooled to 4^{o}C without being frozen), and delivered to a HOKLAS laboratory as soon as possible after collection.
- All monitoring equipment were certified by a laboratory accredited under HOKLAS. Calibration certificates of all monitoring equipment are provided in **Appendix B**.

2.6 Results and Observations

2.6.1 The baseline water quality monitoring for 6 locations were carried out 3 days per week for 4 weeks between 3 July 2022 and 30 July 2022. The baseline monitoring data and the laboratory analysis result were annexed in **Appendix C** and **Appendix D** respectively.

2.6.2 The weather conditions during the monitoring period were mainly fine, sunny and occasionally cloudy. Wind monitoring data was extracted from the Waglan Island Weather Station of Hong Kong Observatory. No major pollution source and extreme weather, which might affect the results, was observed during the baseline monitoring period.

2.6.3 The baseline water quality monitoring results are summarized in **Table 2.4**.

2.6.4 The measured baseline turbidity (in NTU) is plotted against the measured baseline suspended solids (in mg/L) for each sample, and the relationship between suspended solids and turbidity is shown in **Figure 2.2**.

2.6.5 The R^2 value calculated (0.0259) is <0.8, only turbidity shall be used for establishing Limit Level for silt curtain monitoring.

Table 2.4 Summary of Baseline Water Quality Monitoring Results

Locations		Dissolved Oxygen (mg/L)		Turbidity (NTU)	Suspended Solids (mg/L)
		Surface & Middle	Bottom		
C3	Avg.	6.37	5.19	2.7	3.2
	Min.	5.05	4.29	1.8	1.0
	Max.	8.59	5.84	3.8	5.8
C6/C7	Avg.	6.40	5.27	2.7	3.2
	Min.	5.28	4.56	1.9	1.2
	Max.	8.56	5.96	3.8	6.2
C8	Avg.	6.40	5.32	2.6	3.1
	Min.	5.15	4.58	1.8	1.1
	Max.	8.37	6.24	3.6	6.2
F1	Avg.	6.48	5.39	2.6	3.3
	Min.	5.19	4.60	1.8	1.3
	Max.	8.95	6.19	3.7	7.3
F2	Avg.	6.37	5.33	2.6	3.1
	Min.	4.94	4.71	1.9	1.3
	Max.	8.44	6.81	4.2	5.5
CS1	Avg.	6.36	5.28	2.7	3.4
	Min.	5.28	4.41	1.8	1.2
	Max.	8.24	5.80	3.6	5.8

2.7 Action / Limit Levels and Event / Action Plan

2.7.1 The water quality assessment criteria, namely Action and Limit levels are shown in **Table 2.5**.

Table 2.5 Derivation of Action and Limit Levels for Water Quality

Parameters	Action	Limit
DO in mg/L (Surface, Middle & Bottom)	Surface & Middle 5th percentile of baseline data for surface and middle layers Bottom 5th percentile of baseline data for bottom layer	Surface & Middle 5mg/L or 1st percentile of baseline data for surface and middle layers Bottom 2mg/L or 1st percentile of baseline data for bottom layer
SS in mg/L (depth-averaged)	95th percentile of baseline data or 20% exceedance of value at any impact station compared with the control station	99th percentile of baseline data, or 30% exceedance of value at any impact station compared with the control station
Turbidity (Tby) in NTU (depth-averaged)	95th percentile of baseline data or 20% exceedance of value at any impact station compared with corresponding data from the control station	99th percentile of baseline data, or 30% exceedance of value at any impact station compared with corresponding data from the control station

2.7.2 The derived Action and Limit levels are presented in **Table 2.6**

Table 2.6 Derived Action and Limit Levels for Water Quality

Parameters	Action	Limit
DO in mg/L	Surface & Middle: **5.35** (5th percentile of baseline data for surface and middle layers) Bottom: **4.76** (5th percentile of baseline data for bottom layer)	Surface & Middle: **5*** Bottom: **2***
SS in mg/L (depth-averaged)	**4.47** (95th percentile of baseline data)	**5.88** (99th percentile of baseline data)
Turbidity in NTU (depth-averaged)	**3.50** (95th percentile of baseline data)	**3.82** (99th percentile of baseline data)

*The 1st percentile of baseline data of DO for Surface & Middle and Bottom are found to be 5.14mg/L and 4.51mg/L. The limit levels of DO for Surface & Middle and Bottom of 5mg/L and 2mg/L are adopted as per Table 2.5.

2.7.3 The Event/Action Plan is shown in **Table 2.7**. Please note that the Event / Action Plan relates only to exceedances that are directly attributable to the cable installation works over which the installation contractor has control.

Table 2.7 Event / Action Plan for Water Quality

Event	Environmental Team
Action Level Exceedance	1. Repeat sampling event. 2. Inform EPD and AFCD and confirm notification of the non-compliance in writing. 3. Discuss with cable installation contractor and the IEC/IC the most appropriate method of reducing suspended solids during cable installation and agree with EPD. 4. Repeat measurements after implementation of mitigation for confirmation of compliance. 5. If non-compliance continues, increase measures in Step 3 and repeat measurement in Step 4. If non-compliance occurs a third time, suspend cable laying operations and continue sampling until normal water quality resumes.
Limit Level Exceedance	Suspend cable laying operations and undertake Step 1-4 immediately. Cable laying should only continue when the water quality shows compliance again.

3 CONCLUSIONS AND RECOMMENDATIONS

3.1.1 Baseline water quality monitoring was carried out between 3 July 2022 and 30 July 2022 for 6 designated locations. Action and Limit Levels were derived based on the baseline monitoring results and water quality assessment criteria.

3.1.2 No recommendation was provided in this baseline monitoring report.

FIGURES

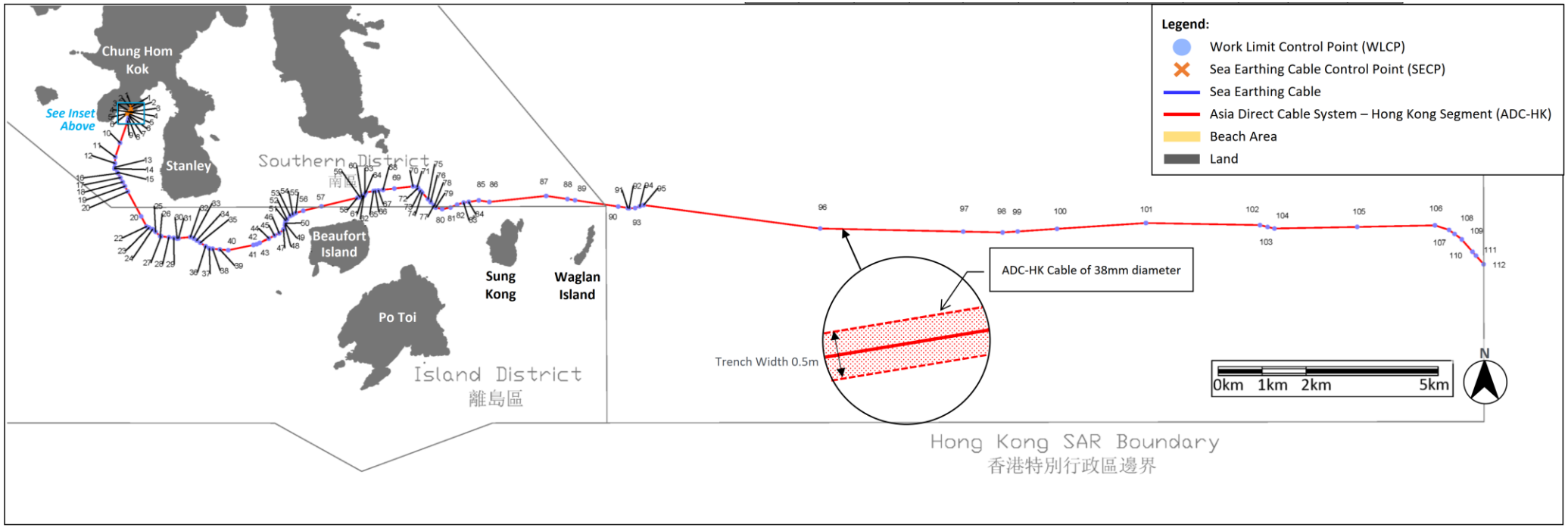

Figure 1.1 Alignment of ADC-HK Cable within Hong Kong (Source: Figure 1-3 of the Project Profile)

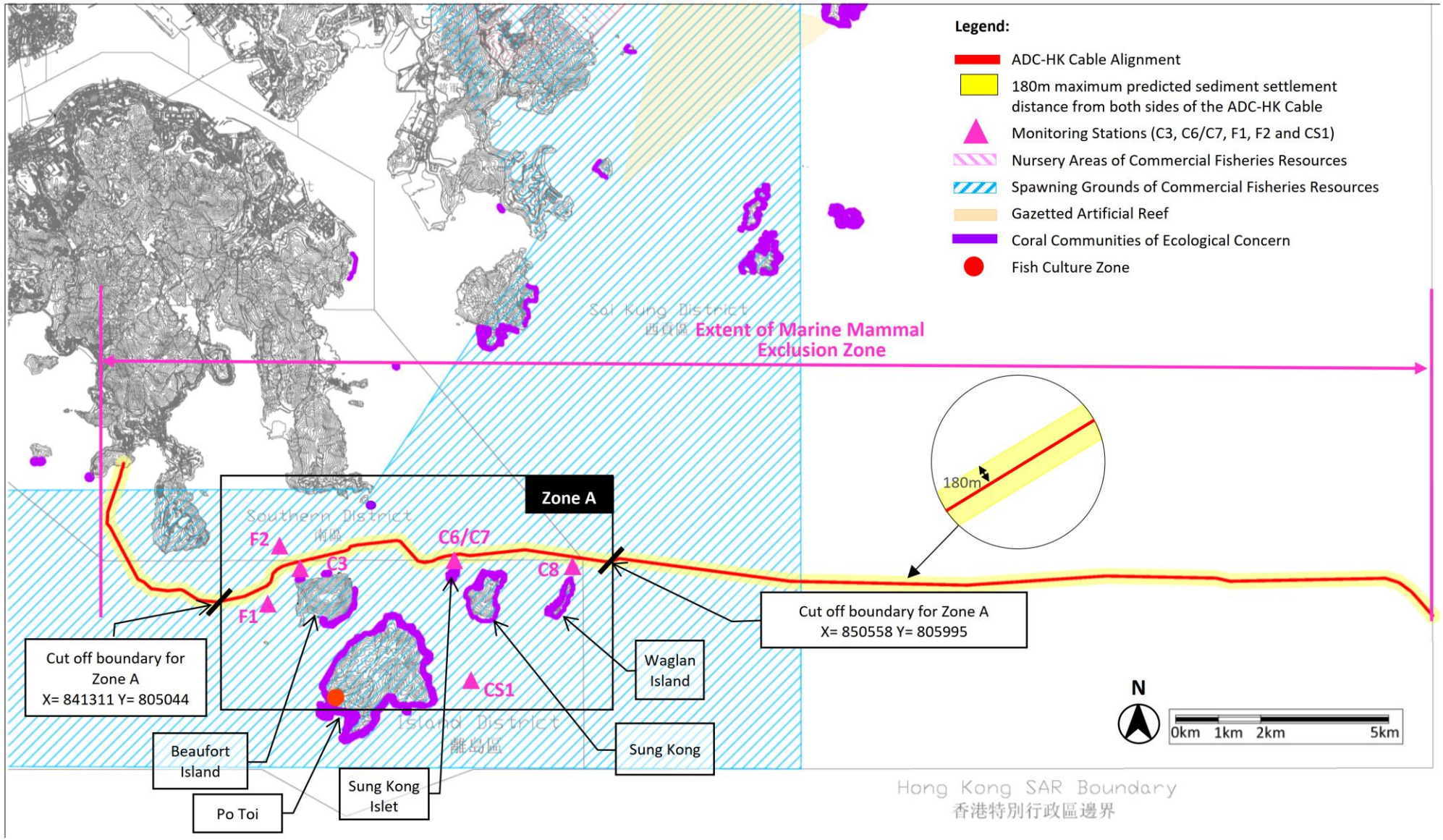

Figure 2.1 Locations of Water Quality Monitoring Station (Source: Figure E1 of the Project profile)

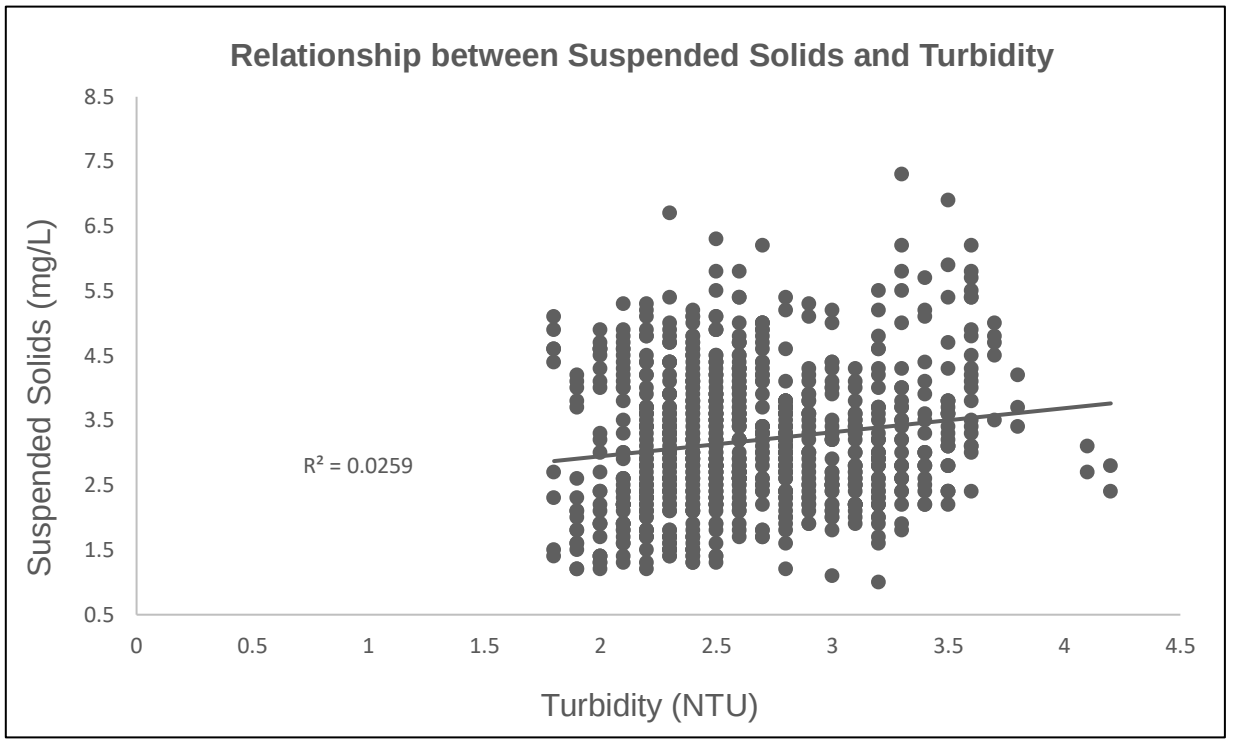

Figure 2.2
Relationship between Suspended Solids and Turbidity

APPENDIX A
BASELINE WATER QUALITY MONITORING SCHEDULE

Environmental Team Services for
Asia Direct Cable System - Hong Kong Segment (ADC-HK) - Chung Hom Kok
Baseline Water Quality Monitoring Schedule

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	8-Jul	9-Jul
	Baseline Water Quality Monitoring Mid-flood 7:55 Mid-Ebb 15:23		Baseline Water Quality Monitoring Mid-flood 9:43 Mid-Ebb 16:39		Baseline Water Quality Monitoring Mid-flood 13:09 Mid-Ebb 19:12	
10-Jul	11-Jul	12-Jul	13-Jul	14-Jul	15-Jul	16-Jul
	Baseline Water Quality Monitoring Mid-Ebb 10:01 Mid-flood 17:18		Baseline Water Quality Monitoring Mid-Ebb 11:41 Mid-flood 19:08		Baseline Water Quality Monitoring Mid-flood 6:15 Mid-Ebb 13:29	
17-Jul	18-Jul	19-Jul	20-Jul	21-Jul	22-Jul	23-Jul
	Baseline Water Quality Monitoring Mid-flood 8:59 Mid-Ebb 15:51		Baseline Water Quality Monitoring Mid-flood 10:58 Mid-Ebb 17:18		Baseline Water Quality Monitoring Mid-Ebb 7:57 Mid-flood 14:09	
24-Jul	25-Jul	26-Jul	27-Jul	28-Jul	29-Jul	30-Jul
	Baseline Water Quality Monitoring Mid-Ebb 10:35 Mid-flood 22:50		Baseline Water Quality Monitoring Mid-Ebb 11:41 Mid-flood 19:02		Baseline Water Quality Monitoring Mid-Ebb 12:50 Mid-flood 19:58	

Public Holiday

APPENDIX B
CALIBRATION CERTIFICATES OF MONITORING EQUIPMENT

ALS Technichem (HK) Pty Ltd
11/F, Chung Shun Knitting Centre
1-3 Wing Yip Street, Kwai Chung
N.T., Hong Kong
T: +852 2610 1044 | F: +852 2610 2021

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	MR WS CHAN	**WORK ORDER:**	HK2219929
CLIENT:	AECOM ASIA COMPANY LIMITED		
ADDRESS:	1501-10, 15/F, TOWER 1, GRAND CENTRAL PLAZA, 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, NEW TERRITORIES, HONG KONG	**SUB- BATCH:** **LABORATORY:** **DATE RECEIVED:** **DATE OF ISSUE:**	0 HONG KONG 31-May-2022 07-Jun-2022

SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.
The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.
The "Next Calibration Date" is recommended according to best practice principle as practised by the laboratory or quoted from relevant international standards.
The validity of equipment/ meter performance only applies to the result(s) stated in the report.

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.:	[YSI]/ [6820 V2]
Serial No./ Equipment No.:	[12A101545]/ [W.026.35]
Date of Calibration:	31-May-2022

GENERAL COMMENTS

This report superseded any previous report(s) with same work order number.

Mr Chan Siu Ming, Vico
Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2219929

SUB- BATCH: 0
DATE OF ISSUE: 07-Jun-2022
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2]
Serial No./ Equipment No.: [12A101545]/ [W.026.35]
Date of Calibration: 31-May-2022 Date of Next Calibration: 31-August-2022

PARAMETERS:

Conductivity

Method Ref: APHA (21st edition), 2510B

Expected Reading (µS/cm)	Displayed Reading (µS/cm)	Tolerance (%)
146.9	148	+0.7
6667	6830	+2.4
12890	12924	+0.3
58670	55611	-5.2
	Tolerance Limit (%)	±10.0

Dissolved Oxygen

Method Ref: APHA (21st edition), 4500O: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
3.20	3.11	-0.09
5.30	5.25	-0.05
7.50	7.51	+0.01
	Tolerance Limit (mg/L)	±0.20

pH Value

Method Ref: APHA (21st edition), 4500H: B

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	4.00	+0.00
7.0	7.05	+0.05
10.0	9.89	-0.11
	Tolerance Limit (pH unit)	±0.20

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Mr Chan Siu Ming, Vico
Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2219929

SUB- BATCH: 0
DATE OF ISSUE: 07-Jun-2022
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2]
Serial No./ Equipment No.: [12A101545]/ [W.026.35]
Date of Calibration: 31-May-2022 Date of Next Calibration: 31-August-2022

PARAMETERS:

Turbidity

Method Ref: APHA (21st edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.1	--
4	4.1	+2.5
10	9.7	-3.0
20	20.1	+0.5
50	49.1	-1.8
100	96.4	-3.6
	Tolerance Limit (%)	±10.0

Salinity

Method Ref: APHA (21st edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	9.49	-5.1
20	19.99	-0.1
30	30.60	+2.0
	Tolerance Limit (%)	±10.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Mr Chan Siu Ming, Vico
Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2219929

SUB- BATCH: 0
DATE OF ISSUE: 07-Jun-2022
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2]
Serial No./ Equipment No.: [12A101545]/ [W.026.35]
Date of Calibration: 31-May-2022 Date of Next Calibration: 31-August-2022

PARAMETERS:

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
11.0	11.47	+0.5
20.0	20.36	+0.4
40.0	39.88	-0.1
	Tolerance Limit (°C)	±2.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Mr Chan Siu Ming, Vico
Manager - Inorganics

APPENDIX C
BASELINE WATER QUALITY MONITORING DATA

Mid-Ebb Tide -C3

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Soild (mg/L)			Wind**		Remark
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Direction	Speed (km/h)	
4-Jul-22	C3	Cloudy	Rough	14:31	1.0	1.0	26.8 26.8	26.8	31.1 31.0	31.1	8.0 8.1	8.0	87.2 88.1	87.7	5.85 5.91	5.88	5.70	3.6 3.6	3.6	3.7	5.8 5.4	5.6	5.0	SW	45	No any influencing factor was observed during monitoring.
					30.0	30.0	26.5 26.4	26.5	36.3 36.6	36.4	8.0 8.1	8.0	82.7 85.7	84.2	5.43 5.62	5.53		3.7 3.7	3.7		5.0 4.8	4.9				
					59.0	59.0	26.4 26.5	26.4	36.4 36.3	36.4	8.0 8.0	8.0	79.5 80.0	79.8	5.22 5.24	5.23	5.23	3.8 3.6	3.7		4.2 4.5	4.4				
6-Jul-22	C3	Fine	Moderate	15:47	1.0	1.0	27.4 27.6	27.5	19.5 19.2	19.4	8.0 8.0	8.0	85.3 85.4	85.4	6.05 6.05	6.05	5.64	2.4 2.5	2.5	2.8	2.9 2.5	2.7	2.2	SW	22	No any influencing factor was observed during monitoring.
					29.9	29.9	26.9 26.6	26.8	34.8 34.7	34.7	8.0 8.0	8.0	79.7 79.9	79.8	5.24 5.23	5.24		2.8 3.0	2.9		2.3 2.1	2.2				
					58.8	58.8	26.6 26.6	26.6	36.4 36.2	36.3	8.0 8.0	8.0	78.3 76.6	77.5	5.12 5.06	5.09	5.09	3.1 3.2	3.2		1.9 1.7	1.8				
8-Jul-22	C3	Fine	Moderate	18:13	1.0	1.0	29.8 29.9	29.8	22.6 22.5	22.5	8.1 8.1	8.1	91.9 91.0	91.5	6.19 6.13	6.16	5.98	3.1 3.1	3.1	3.2	2.2 2.2	2.2	2.8	E	23	No any influencing factor was observed during monitoring.
					30.0	30.0	25.9 26.0	26.0	35.4 37.7	36.6	8.1 8.1	8.1	89.5 86.5	88.0	5.90 5.71	5.81		3.1 3.2	3.2		3.2 3.2	3.2				
					59.0	59.0	25.6 25.7	25.6	37.7 37.6	37.6	8.1 8.0	8.0	83.3 83.8	83.6	5.50 5.52	5.51	5.51	3.2 3.3	3.3		2.5 3.2	2.9				
11-Jul-22	C3	Sunny	Moderate	9:40	1.0	1.0	29.8 29.8	29.8	22.5 22.6	22.5	8.1 8.1	8.1	102.4 104.2	103.3	6.85 6.97	6.91	6.57	3.1 3.2	3.2	3.1	2.8 3.0	2.9	2.6	E	6	No any influencing factor was observed during monitoring.
					30.0	30.0	25.7 25.9	25.8	37.6 36.5	37.1	7.9 7.9	7.9	93.7 94.4	94.1	6.20 6.26	6.23		3.1 3.0	3.1		2.7 2.5	2.6				
					59.0	59.0	25.5 26.0	25.7	37.7 37.1	37.4	7.9 7.9	7.9	87.9 83.8	85.9	5.80 5.54	5.67	5.67	3.1 3.1	3.1		2.2 2.4	2.3				
13-Jul-22	C3	Sunny	Moderate	12:07	1.0	1.0	28.7 28.7	28.7	26.1 26.0	26.0	8.3 8.3	8.3	101.5 99.6	100.6	6.80 6.68	6.74	6.57	2.2 2.2	2.2	2.3	2.6 2.4	2.5	2.1	E	9	No any influencing factor was observed during monitoring.
					29.7	29.7	25.1 25.2	25.2	37.5 37.3	37.4	7.8 7.8	7.8	96.0 94.4	95.2	6.42 6.37	6.40		2.5 2.3	2.4		2.3 2.1	2.2				
					58.4	58.4	24.8 24.7	24.7	38.2 38.5	38.4	7.8 7.8	7.8	83.4 84.4	83.9	5.57 5.61	5.59	5.59	2.4 2.3	2.4		1.5 1.7	1.6				
15-Jul-22	C3	Sunny	Moderate	12:37	1.0	1.0	29.6 29.6	29.6	25.6 25.6	25.6	8.3 8.3	8.3	102.4 102.7	102.6	6.77 6.79	6.78	6.28	1.8 1.9	1.9	2.1	2.7 2.6	2.7	2.3	SW	18	No any influencing factor was observed during monitoring.
					30.0	30.0	25.7 25.2	25.5	35.1 36.6	35.8	7.9 7.8	7.8	85.4 87.3	86.4	5.71 5.83	5.77		2.2 2.2	2.2		2.4 2.1	2.3				
					59.1	59.1	25.1 24.9	25.0	37.1 37.7	37.4	7.9 7.8	7.8	70.8 64.2	67.5	4.73 4.29	4.51	4.51	2.2 2.1	2.2		1.8 1.9	1.9				
18-Jul-22	C3	Fine	Moderate	15:27	1.0	1.0	28.6 28.6	28.6	26.5 26.5	26.5	8.0 8.0	8.0	83.3 83.3	83.3	5.57 5.57	5.57	5.39	2.4 2.3	2.4	2.7	1.4 1.6	1.5	1.9	SW	22	No any influencing factor was observed during monitoring.
					29.6	29.6	25.9 26.0	25.9	34.6 34.2	34.4	7.9 7.9	7.9	79.0 77.3	78.2	5.28 5.14	5.21		2.7 2.7	2.7		1.8 1.8	1.8				
					58.3	58.3	25.8 25.8	25.8	35.6 35.7	35.6	7.8 7.8	7.8	72.0 74.1	73.1	4.80 4.94	4.87	4.87	3.0 2.8	2.9		2.1 2.4	2.3				
20-Jul-22	C3	Sunny	Moderate	16:52	1.0	1.0	29.3 29.3	29.3	27.0 27.0	27.0	8.4 8.4	8.4	112.8 111.0	111.9	7.44 7.43	7.44	6.82	1.9 2.1	2.0	2.7	4.2 4.0	4.1	3.5	SE	18	No any influencing factor was observed during monitoring.
					29.9	29.9	25.0 25.1	25.0	36.6 36.3	36.5	7.8 7.8	7.8	91.9 92.5	92.2	6.18 6.23	6.21		2.9 2.5	2.7		3.6 3.4	3.5				
					58.7	58.7	24.3 24.3	24.3	38.1 38.1	38.1	7.8 7.8	7.8	82.1 81.0	81.6	5.50 5.45	5.48	5.48	3.3 3.2	3.3		3.0 2.6	2.8				
22-Jul-22	C3	Fine	Moderate	8:02	1.0	1.0	29.4 30.0	29.7	27.9 27.2	27.5	8.4 8.5	8.5	101.8 105.1	103.5	7.13 7.18	7.16	6.27	2.5 2.7	2.6	2.8	2.8 3.1	3.0	3.5	W	13	No any influencing factor was observed during monitoring.
					29.9	29.9	24.7 24.9	24.8	37.4 36.9	37.2	7.8 7.8	7.8	79.4 80.2	79.8	5.37 5.41	5.39		2.6 2.5	2.6		3.5 3.6	3.6				
					58.8	58.8	23.8 23.8	23.8	38.6 38.6	38.6	7.8 7.8	7.8	72.0 73.4	72.7	4.83 4.90	4.87	4.87	3.3 3.2	3.3		4.0 4.2	4.1				
25-Jul-22	C3	Sunny	Moderate	10:34	1.0	1.0	31.0 31.0	31.0	27.9 28.0	27.9	8.5 8.4	8.4	120.6 122.0	121.3	7.69 7.78	7.74	6.82	2.3 2.3	2.3	2.4	3.7 3.3	3.5	3.1	SW	15	No any influencing factor was observed during monitoring.
					29.9	29.9	24.8 24.4	24.6	37.5 37.8	37.7	7.7 7.7	7.7	88.0 87.7	87.9	5.91 5.90	5.91		2.3 2.3	2.3		2.8 3.4	3.1				
					58.8	58.8	23.2 23.2	23.2	38.7 38.7	38.7	7.8 7.8	7.8	76.6 75.5	76.1	5.19 5.17	5.18	5.18	2.6 2.5	2.6		2.6 2.6	2.6				
27-Jul-22	C3	Sunny	Moderate	12:00	1.0	1.0	29.7 29.8	29.7	28.8 28.8	28.8	8.4 8.4	8.4	117.9 121.2	119.6	7.68 7.90	7.79	6.62	2.4 2.5	2.5	2.7	4.8 5.1	5.0	4.3	SW	18	No any influencing factor was observed during monitoring.
					29.3	29.3	24.3 24.3	24.3	37.9 37.9	37.9	7.7 7.7	7.7	80.5 83.1	81.8	5.32 5.56	5.44		2.7 2.7	2.7		4.4 4.1	4.3				
					57.6	57.6	23.8 23.4	23.6	38.4 38.7	38.5	7.7 7.8	7.8	73.0 75.3	74.2	4.92 5.06	4.99	4.99	3.0 2.9	3.0		4.0 3.6	3.8				
29-Jul-22	C3	Sunny	Moderate	12:04	1.0	1.0	29.2 29.3	29.2	30.0 29.9	29.9	8.2 8.2	8.2	130.0 127.0	128.5	8.44 8.24	8.34	6.93	2.2 2.2	2.2	2.9	2.8 3.0	2.9	3.3	SW	18	No any influencing factor was observed during monitoring.
					29.6	29.6	24.8 24.8	24.8	36.1 36.0	36.0	7.6 7.7	7.6	82.6 81.3	82.0	5.55 5.50	5.53		3.0 3.1	3.1		3.2 3.4	3.3				
					58.2	58.2	24.4 24.5	24.4	37.0 36.7	36.8	7.6 7.7	7.7	74.0 76.7	75.4	4.98 5.19	5.09	5.09	3.4 3.3	3.4		3.9 3.7	3.8				

*Depth Average

**Wind data extract from Waglan Island Weather Station of Hong Kong Observatory.

Mid-Flood Tide - C3

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Wind**		Remark
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Direction	Speed (km/h)	
4-Jul-22	C3	Cloudy	Rough	7:58	1.0	1.0	26.6 26.6	26.6	31.0 31.0	31.0	8.0 8.0	8.0	84.8 86.2	85.5	5.72 5.70	5.71	5.62	3.6 3.8	3.7	3.7	3.8 3.4	3.6	4.1	S	54	No any influencing factor was observed during monitoring.
					30.0	30.0	26.7 26.6	26.6	35.0 34.3	34.6	8.1 8.0	8.1	83.6 82.1	82.9	5.64 5.43	5.54		3.6 3.6	3.6		4.1 4.0	4.1				
					59.0	59.0	26.6 26.6	26.6	35.2 35.2	35.2	8.1 8.1	8.1	81.1 81.9	81.5	5.37 5.43	5.40	5.40	3.7 3.6	3.7		4.5 4.8	4.7				
6-Jul-22	C3	Cloudy	Moderate	9:59	1.0	1.0	27.2 27.3	27.3	23.4 22.9	23.2	7.9 8.0	7.9	84.3 82.7	83.5	5.87 5.77	5.82	5.45	2.4 2.4	2.4	2.8	1.9 1.7	1.8	2.4	SW	30	No any influencing factor was observed during monitoring.
					29.7	29.7	26.7 26.7	26.7	36.0 36.0	36.0	8.0 8.0	8.0	77.2 78.1	77.7	5.05 5.11	5.08		2.6 2.5	2.6		2.6 2.2	2.4				
					58.3	58.3	26.6 26.6	26.6	37.4 37.2	37.3	8.0 8.0	8.0	80.6 78.0	79.3	5.24 5.08	5.16	5.16	3.6 3.3	3.5		3.1 2.8	3.0				
8-Jul-22	C3	Sunny	Moderate	13:01	1.0	1.0	29.8 29.8	29.8	22.1 22.3	22.2	8.1 8.1	8.1	90.8 89.0	89.9	6.15 6.04	6.10	6.05	3.2 3.2	3.2	3.2	2.3 3.7	3.0	2.7	E	15	No any influencing factor was observed during monitoring.
					30.3	30.3	25.7 25.9	25.8	36.4 36.5	36.4	8.1 8.1	8.1	90.1 88.7	89.4	5.99 6.02	6.01		3.2 3.2	3.2		2.3 3.6	3.0				
					59.5	59.5	25.5 25.9	25.7	37.3 37.4	37.3	8.0 8.0	8.0	86.8 85.5	86.2	5.84 5.72	5.78	5.78	3.1 3.2	3.2		3.5 1.0	2.3				
11-Jul-22	C3	Sunny	Moderate	16:21	1.0	1.0	29.8 30.0	29.9	22.7 22.6	22.6	8.1 8.1	8.1	105.1 109.2	107.2	7.03 7.26	7.15	6.72	2.5 2.5	2.5	2.6	2.8 3.2	3.0	3.5	E	10	No any influencing factor was observed during monitoring.
					30.0	30.0	25.9 26.1	26.0	36.8 36.2	36.5	7.9 7.9	7.9	92.2 97.0	94.6	6.12 6.48	6.30		2.6 2.7	2.7		3.6 3.4	3.5				
					59.0	59.0	25.7 25.7	25.7	37.4 37.2	37.3	7.9 7.9	7.9	82.2 82.8	82.5	5.42 5.45	5.44	5.44	2.6 2.6	2.6		3.8 4.0	3.9				
13-Jul-22	C3	Fine	Moderate	18:02	1.0	1.0	29.9 29.9	29.9	23.0 22.8	22.9	8.5 8.5	8.5	127.0 121.3	124.2	8.47 8.08	8.28	7.27	2.4 2.3	2.4	2.6	1.6 1.8	1.7	2.4	SE	13	No any influencing factor was observed during monitoring.
					29.6	29.6	26.1 26.0	26.0	35.8 35.6	35.7	7.9 7.9	7.9	95.6 92.8	94.2	6.36 6.15	6.26		2.6 2.6	2.6		2.2 2.7	2.5				
					58.1	58.1	25.5 25.6	25.6	37.0 36.9	36.9	7.9 7.9	7.9	76.1 77.2	76.7	5.05 5.16	5.11	5.11	2.6 2.8	2.7		3.2 3.0	3.1				
15-Jul-22	C3	Fine	Moderate	6:15	1.0	1.0	28.7 28.9	28.8	27.1 26.8	27.0	8.3 8.3	8.3	99.1 100.6	99.9	6.59 6.69	6.64	6.11	2.4 2.2	2.3	2.3	3.1 3.4	3.3	2.8	SW	15	No any influencing factor was observed during monitoring.
					30.0	30.0	25.2 25.6	25.4	36.3 35.1	35.7	7.9 7.9	7.9	83.1 84.0	83.6	5.56 5.61	5.59		2.3 2.3	2.3		2.6 2.9	2.8				
					59.0	59.0	24.9 25.1	25.0	37.6 37.2	37.4	7.9 7.9	7.9	68.9 72.3	70.6	4.62 4.85	4.74	4.74	2.3 2.3	2.3		2.6 2.4	2.5				
18-Jul-22	C3	Sunny	Moderate	9:11	1.0	1.0	28.8 28.8	28.8	26.7 26.6	26.6	8.1 8.1	8.1	92.9 92.1	92.5	6.19 6.13	6.16	5.92	2.5 2.4	2.5	2.6	1.3 1.7	1.5	2.6	SW	26	No any influencing factor was observed during monitoring.
					29.8	29.8	25.3 25.4	25.4	36.2 35.9	36.1	7.9 7.9	7.9	84.2 83.6	83.9	5.70 5.67	5.69		2.5 2.5	2.5		2.4 2.8	2.6				
					58.6	58.6	24.5 24.9	24.7	37.9 37.2	37.6	7.9 7.9	7.9	75.9 77.5	76.7	5.10 5.19	5.15	5.15	2.7 2.8	2.8		3.3 3.8	3.6				
20-Jul-22	C3	Sunny	Moderate	11:17	1.0	1.0	29.8 29.8	29.8	25.8 25.8	25.8	8.5 8.5	8.5	106.1 104.7	105.4	7.16 7.05	7.11	6.64	2.0 2.1	2.1	2.4	3.3 3.5	3.4	4.0	SE	21	No any influencing factor was observed during monitoring.
					29.8	29.8	25.3 24.7	25.0	36.2 37.2	36.7	7.9 7.8	7.8	93.4 91.5	92.5	6.29 6.04	6.17		2.5 2.5	2.5		4.2 3.9	4.1				
					58.6	58.6	24.1 24.2	24.2	38.4 38.4	38.4	7.8 7.8	7.8	77.4 80.3	78.9	5.18 5.34	5.26	5.26	2.6 2.5	2.6		4.7 4.5	4.6				
22-Jul-22	C3	Sunny	Moderate	12:57	1.0	1.0	29.9 29.8	29.9	27.8 27.9	27.9	8.5 8.5	8.5	132.2 127.2	129.7	8.59 8.32	8.46	7.21	2.0 2.1	2.1	2.6	3.2 3.3	3.3	3.8	SW	11	No any influencing factor was observed during monitoring.
					28.5	28.5	24.8 24.5	24.6	37.1 37.6	37.4	7.8 7.8	7.8	90.1 88.5	89.3	6.02 5.89	5.96		2.5 2.6	2.6		3.6 3.9	3.8				
					56.0	56.0	23.5 23.9	23.7	38.5 38.2	38.3	7.8 7.8	7.8	75.7 76.4	76.1	5.10 5.18	5.14	5.14	3.1 3.0	3.1		4.3 4.4	4.4				
25-Jul-22	C3	Fine	Moderate	22:00	1.0	1.0	31.6 31.6	31.6	27.7 27.7	27.7	8.5 8.6	8.5	103.7 105.5	104.6	6.60 6.72	6.66	6.41	2.4 2.6	2.5	2.6	2.3 2.6	2.5	2.6	SW	11	No any influencing factor was observed during monitoring.
					29.8	29.8	24.0 24.0	24.0	38.1 38.2	38.2	7.8 7.8	7.8	89.5 91.2	90.4	6.11 6.22	6.17		2.6 2.6	2.6		2.6 2.1	2.4				
					58.5	58.5	23.3 23.3	23.3	38.7 38.7	38.7	7.8 7.8	7.8	73.2 75.6	74.4	4.99 5.04	5.02	5.02	2.6 2.8	2.7		2.3 3.4	2.9				
27-Jul-22	C3	Fine	Moderate	18:25	1.0	1.0	29.0 29.1	29.1	28.6 28.5	28.6	8.3 8.3	8.3	122.9 125.5	124.2	8.06 8.15	8.11	6.79	2.2 2.3	2.3	2.6	4.2 4.4	4.3	4.7	SW	18	No any influencing factor was observed during monitoring.
					29.7	29.7	23.8 23.8	23.8	38.1 38.1	38.1	7.7 7.7	7.7	82.2 81.9	82.1	5.49 5.47	5.48		2.6 2.8	2.7		4.8 4.6	4.7				
					58.4	58.4	23.4 23.4	23.4	38.5 38.6	38.6	7.7 7.7	7.7	75.8 78.3	77.1	5.17 5.34	5.26	5.26	2.9 3.0	3.0		5.3 5.0	5.2				
29-Jul-22	C3	Fine	Moderate	19:10	1.0	1.0	28.7 28.8	28.8	30.0 29.8	29.9	8.3 8.2	8.2	125.8 127.7	126.8	8.23 8.36	8.30	6.99	2.3 2.3	2.3	2.4	3.0 3.2	3.1	3.8	SW	20	No any influencing factor was observed during monitoring.
					29.3	29.3	24.4 25.3	24.8	36.9 35.4	36.2	7.7 7.7	7.7	85.1 84.9	85.0	5.68 5.67	5.68		2.5 2.3	2.4		3.6 3.9	3.8				
					57.6	57.6	24.2 24.1	24.2	37.4 37.2	37.3	7.7 7.6	7.7	74.3 75.0	74.7	4.97 5.00	4.99	4.99	2.4 2.5	2.5		4.7 4.4	4.6				

*Depth Average

**Wind data extract from Waglan Island Weather Station of Hong Kong Observatory.

Mid-Ebb Tide - C6/C7

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Soild (mg/L)			Wind**		Remark
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Direction	Speed (km/h)	
4-Jul-22	C6/C7	Cloudy	Rough	15:22	1.0	1.0	26.8 26.8	26.8	31.7 31.7	31.7	8.1 8.1	8.1	87.7 87.3	87.5	5.87 5.84	5.86	5.77	3.4 3.3	3.4	3.5	5.2 5.0	5.1	5.6	SW	40	No any influencing factor was observed during monitoring.
					17.3	17.3	26.6 26.5	26.5	35.3 36.5	35.9	8.1 8.0	8.1	87.0 86.6	86.8	5.69 5.67	5.68		3.5 3.4	3.5		5.4 5.7	5.6				
					33.6	33.6	26.3 26.6	26.5	36.9 36.5	36.7	8.0 8.1	8.0	82.8 83.7	83.3	5.42 5.51	5.47	5.47	3.6 3.5	3.6		6.2 5.9	6.1				
6-Jul-22	C6/C7	Fine	Moderate	16:54	1.0	1.0	27.4 27.4	27.4	20.5 20.1	20.3	8.0 8.0	8.0	85.1 83.4	84.3	6.01 5.90	5.96	5.68	2.2 2.1	2.2	2.3	2.1 2.2	2.2	2.8	S	22	No any influencing factor was observed during monitoring.
					17.4	17.4	26.7 26.7	26.7	30.9 30.5	30.7	8.0 8.0	8.0	80.2 80.2	80.2	5.40 5.41	5.41		2.2 2.4	2.3		2.5 2.8	2.7				
					33.7	33.7	26.6 26.6	26.6	35.5 35.4	35.4	8.0 8.0	8.0	77.6 77.9	77.8	5.10 5.12	5.11	5.11	2.5 2.6	2.6		3.5 3.7	3.6				
8-Jul-22	C6/C7	Fine	Moderate	19:21	1.0	1.0	29.9 29.8	29.9	22.8 22.6	22.7	8.1 8.0	8.0	90.7 91.0	90.9	6.03 6.05	6.04	5.96	3.1 3.2	3.2	3.3	2.5 2.8	2.7	3.0	E	18	No any influencing factor was observed during monitoring.
					17.0	17.0	26.1 25.1	25.6	35.9 36.8	36.4	8.0 8.0	8.0	89.3 89.6	89.5	5.86 5.89	5.88		3.4 3.4	3.4		3.3 3.0	3.2				
					33.1	33.1	25.2 25.2	25.2	37.8 37.8	37.8	8.0 8.0	8.0	85.7 88.3	87.0	5.63 5.79	5.71	5.71	3.5 3.4	3.5		3.8 2.8	3.3				
11-Jul-22	C6/C7	Sunny	Moderate	8:31	1.0	1.0	29.8 29.9	29.8	22.6 22.4	22.5	8.2 8.2	8.2	109.7 112.4	111.1	7.36 7.53	7.45	6.86	2.3 2.5	2.4	2.4	3.0 2.5	2.8	3.6	E	6	No any influencing factor was observed during monitoring.
					17.0	17.0	25.9 25.9	25.9	36.7 36.6	36.7	7.9 7.9	7.9	89.4 100.4	94.9	5.91 6.63	6.27		2.2 2.4	2.3		3.6 3.9	3.8				
					33.1	33.1	25.5 25.6	25.6	37.7 37.5	37.6	7.9 7.9	7.9	75.9 81.7	78.8	5.01 5.40	5.21	5.21	2.3 2.4	2.4		4.2 4.4	4.3				
13-Jul-22	C6/C7	Sunny	Moderate	10:59	1.0	1.0	29.3 29.3	29.3	24.7 24.6	24.6	8.4 8.4	8.4	111.5 114.3	112.9	7.44 7.64	7.54	7.11	2.3 2.5	2.4	2.5	2.4 2.7	2.6	2.1	E	6	No any influencing factor was observed during monitoring.
					17.6	17.6	26.4 26.2	26.3	33.0 34.6	33.8	7.9 7.9	7.9	98.5 101.0	99.8	6.61 6.74	6.68		2.2 2.5	2.4		2.3 2.1	2.2				
					34.1	34.1	25.6 25.3	25.4	37.0 37.2	37.1	7.9 7.9	7.9	82.7 83.4	83.1	5.49 5.51	5.50	5.50	2.8 2.7	2.8		1.6 1.7	1.7				
15-Jul-22	C6/C7	Sunny	Moderate	13:47	1.0	1.0	29.8 29.5	29.6	25.6 25.8	25.7	8.3 8.3	8.3	102.8 109.3	106.1	6.78 7.23	7.01	6.33	2.6 2.6	2.6	2.6	2.7 2.9	2.8	2.3	SW	18	No any influencing factor was observed during monitoring.
					17.2	17.2	25.4 25.1	25.2	36.1 37.3	36.7	7.8 7.8	7.8	86.6 82.4	84.5	5.78 5.51	5.65		2.5 2.6	2.6		2.3 2.5	2.4				
					33.4	33.4	25.1 24.9	25.0	37.4 37.7	37.5	7.8 7.8	7.8	72.9 71.5	72.2	4.88 4.85	4.87	4.87	2.5 2.6	2.6		1.6 1.9	1.8				
18-Jul-22	C6/C7	Fine	Moderate	16:45	1.0	1.0	28.6 28.6	28.6	26.5 26.5	26.5	8.0 8.0	8.0	83.5 84.1	83.8	5.58 5.62	5.60	5.45	2.0 1.9	2.0	2.1	1.3 1.2	1.3	1.8	SW	25	No any influencing factor was observed during monitoring.
					17.6	17.6	26.7 26.7	26.7	31.7 31.8	31.7	7.9 7.9	7.9	78.9 79.8	79.4	5.28 5.30	5.29		2.3 2.2	2.3		1.5 1.7	1.6				
					34.2	34.2	25.7 25.7	25.7	35.7 35.6	35.6	7.8 7.9	7.8	75.3 74.0	74.7	5.06 4.94	5.00	5.00	2.1 2.1	2.1		2.6 2.3	2.5				
20-Jul-22	C6/C7	Sunny	Moderate	17:56	1.0	1.0	29.4 29.4	29.4	26.8 26.8	26.8	8.4 8.4	8.4	108.4 111.5	110.0	7.14 7.21	7.18	6.67	2.1 2.1	2.1	2.3	4.6 4.1	4.4	3.9	SE	24	No any influencing factor was observed during monitoring.
					17.6	17.6	26.2 27.4	26.8	33.5 30.6	32.0	7.9 8.0	8.0	90.0 93.4	91.7	6.04 6.27	6.16		2.2 2.2	2.2		4.0 3.7	3.9				
					34.1	34.1	24.9 25.0	25.0	36.7 36.6	36.7	7.8 7.8	7.8	79.8 81.4	80.6	5.34 5.43	5.39	5.39	2.6 2.6	2.6		3.4 3.5	3.5				
22-Jul-22	C6/C7	Fine	Moderate	6:57	1.0	1.0	29.7 29.8	29.7	27.1 27.1	27.1	8.5 8.5	8.5	100.7 102.8	101.8	7.08 7.14	7.11	6.28	2.5 2.6	2.6	2.7	3.6 3.7	3.7	3.4	SW	9	No any influencing factor was observed during monitoring.
					17.6	17.6	24.3 25.6	25.0	38.3 36.4	37.4	7.8 7.8	7.8	81.0 80.7	80.9	5.45 5.45	5.45		2.8 2.7	2.8		3.3 3.4	3.4				
					34.2	34.2	24.2 24.5	24.4	38.5 38.0	38.2	7.8 7.8	7.8	77.3 78.8	78.1	5.20 5.29	5.25	5.25	2.9 2.7	2.8		2.9 3.2	3.1				
25-Jul-22	C6/C7	Sunny	Moderate	9:27	1.0	1.0	30.7 30.6	30.6	27.8 28.0	27.9	8.4 8.4	8.4	113.5 118.7	116.1	7.28 7.77	7.53	6.46	2.8 2.9	2.9	3.0	3.8 5.1	4.5	3.8	SW	14	No any influencing factor was observed during monitoring.
					17.1	17.1	25.2 25.2	25.2	36.5 36.5	36.5	7.8 7.8	7.8	81.5 82.5	82.0	5.49 5.30	5.40		3.1 3.2	3.2		3.8 4.0	3.9				
					33.2	33.2	23.5 23.6	23.6	38.6 38.6	38.6	7.8 7.7	7.8	80.0 77.9	79.0	5.45 5.30	5.38	5.38	3.0 3.2	3.1		3.2 2.9	3.1				
27-Jul-22	C6/C7	Sunny	Moderate	10:52	1.0	1.0	29.7 29.8	29.7	28.9 28.9	28.9	8.4 8.5	8.4	118.2 116.4	117.3	7.66 7.54	7.60	6.64	2.3 2.3	2.3	2.4	3.3 3.6	3.5	4.4	SW	17	No any influencing factor was observed during monitoring.
					17.6	17.6	25.1 25.3	25.2	35.8 35.5	35.6	7.8 7.8	7.8	87.7 83.4	85.6	5.79 5.57	5.68		2.5 2.3	2.4		4.4 4.8	4.6				
					34.3	34.3	24.4 25.0	24.7	37.8 36.2	37.0	7.8 7.8	7.8	75.0 76.8	75.9	5.05 5.16	5.11	5.11	2.7 2.5	2.6		5.0 5.5	5.3				
29-Jul-22	C6/C7	Sunny	Moderate	10:57	1.0	1.0	28.9 28.9	28.9	30.3 30.3	30.3	8.2 8.2	8.2	118.7 123.5	121.1	7.74 8.05	7.90	6.83	3.2 3.0	3.1	3.1	5.5 5.2	5.4	4.3	SW	17	No any influencing factor was observed during monitoring.
					17.8	17.8	25.1 25.1	25.1	35.5 35.7	35.6	7.7 7.7	7.7	85.9 87.7	86.8	5.67 5.85	5.76		2.9 3.0	3.0		4.3 4.1	4.2				
					34.6	34.6	24.9 25.0	25.0	36.0 36.0	36.0	7.7 7.6	7.6	76.7 79.9	78.3	5.17 5.38	5.28	5.28	3.3 3.3	3.3		3.4 3.2	3.3				

*Depth Average

**Wind data extract from Waglan Island Weather Station of Hong Kong Observatory.

Mid-Flood Tide - C6/C7

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity(NTU) Value	Turbidity(NTU) Average	Turbidity(NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*	Wind** Direction	Wind** Speed (km/h)	Remark
4-Jul-22	C6/C7	Cloudy	Rough	6:31	1.0	1.0	26.6 26.6	26.6	30.9 30.9	30.9	8.0 8.0	8.0	88.3 88.7	88.5	5.96 5.99	5.98	5.95	3.6 3.5	3.6	3.6	3.0 2.8	2.9	3.2	S	52	No any influencing factor was observed during monitoring.
					17.5	17.5	26.5 26.5	26.5	31.1 31.0	31.0	8.0 8.0	8.0	87.2 88.4	87.8	5.88 5.97	5.93		3.6 3.5	3.6		3.3 3.1	3.2				
					34.1	34.1	26.5 26.5	26.5	31.0 31.3	31.2	8.0 8.0	8.0	88.3 86.6	87.5	5.96 5.85	5.91		3.7 3.8	3.8		3.5 3.7	3.6				
6-Jul-22	C6/C7	Cloudy	Moderate	8:52	1.0	1.0	27.3 27.3	27.3	22.7 22.7	22.7	7.9 8.0	7.9	85.2 85.1	85.2	5.95 5.56	5.76	5.69	1.9 1.9	1.9	2.2	1.6 1.8	1.7	2.2	SW	27	No any influencing factor was observed during monitoring.
					17.6	17.6	26.7 26.7	26.7	33.9 33.4	33.6	8.0 8.0	8.0	84.3 81.0	82.7	5.88 5.38	5.63		2.2 2.2	2.2		2.0 2.3	2.2				
					34.2	34.2	26.7 26.7	26.7	36.1 36.8	36.5	8.0 8.0	8.0	78.5 79.6	79.1	5.20 5.19	5.20	5.20	2.4 2.3	2.4		2.6 2.8	2.7				
8-Jul-22	C6/C7	Sunny	Moderate	11:48	1.0	1.0	29.9 29.9	29.9	21.8 22.0	21.9	8.1 8.1	8.1	90.2 90.1	90.2	6.00 6.11	6.06	5.96	3.1 3.1	3.1	3.2	2.0 2.6	2.3	2.7	E	19	No any influencing factor was observed during monitoring.
					17.2	17.2	27.3 26.2	26.7	31.1 35.3	33.2	8.1 8.1	8.1	87.0 89.4	88.2	5.79 5.94	5.87		3.2 3.3	3.3		2.8 2.6	2.7				
					33.5	33.5	25.9 26.0	26.0	36.3 36.7	36.5	8.0 8.1	8.0	86.6 85.4	86.0	5.79 5.70	5.75	5.75	3.2 3.2	3.2		3.2 2.9	3.1				
11-Jul-22	C6/C7	Sunny	Moderate	17:28	1.0	1.0	29.9 29.7	29.8	22.8 22.9	22.8	8.1 8.1	8.1	112.7 110.6	111.7	7.44 7.39	7.42	6.97	2.6 2.6	2.6	2.7	4.3 4.0	4.2	3.5	SE	10	No any influencing factor was observed during monitoring.
					16.5	16.5	25.5 25.3	25.4	36.1 37.8	36.9	7.9 7.9	7.9	98.5 96.8	97.7	6.56 6.48	6.52		2.8 2.7	2.8		3.6 3.3	3.5				
					32.0	32.0	25.0 25.0	25.0	38.1 38.1	38.1	7.9 7.9	7.9	80.3 81.1	80.7	5.35 5.38	5.37	5.37	2.8 2.8	2.8		2.6 3.0	2.8				
13-Jul-22	C6/C7	Fine	Moderate	19:14	1.0	1.0	29.9 29.8	29.9	22.9 23.0	22.9	8.5 8.5	8.5	117.7 114.2	116.0	7.86 7.63	7.75	6.67	1.9 1.9	1.9	2.1	2.1 2.0	2.1	1.7	SE	14	No any influencing factor was observed during monitoring.
					17.7	17.7	25.7 25.7	25.7	36.5 36.4	36.4	7.9 7.9	7.9	83.3 84.7	84.0	5.57 5.62	5.60		2.2 2.1	2.2		1.8 1.6	1.7				
					34.4	34.4	25.4 25.3	25.3	37.0 37.1	37.0	7.8 7.8	7.8	78.8 77.4	78.1	5.24 5.16	5.20	5.20	2.3 2.4	2.4		1.4 1.3	1.4				
15-Jul-22	C6/C7	Fine	Moderate	5:03	1.0	1.0	29.0 29.0	29.0	26.9 26.8	26.8	8.2 8.3	8.2	105.8 95.9	100.9	7.01 6.36	6.69	6.14	2.1 2.2	2.2	2.4	2.4 2.5	2.5	3.0	W	10	No any influencing factor was observed during monitoring.
					17.3	17.3	25.4 25.2	25.3	36.1 36.4	36.2	7.8 7.9	7.8	80.4 87.2	83.8	5.37 5.82	5.60		2.5 2.4	2.5		2.8 3.2	3.0				
					33.6	33.6	25.0 25.0	25.0	37.7 37.3	37.5	7.8 7.8	7.8	73.3 74.1	73.7	4.91 4.95	4.93	4.93	2.5 2.5	2.5		3.8 3.5	3.7				
18-Jul-22	C6/C7	Sunny	Moderate	8:08	1.0	1.0	28.6 28.8	28.7	26.9 26.6	26.8	8.1 8.1	8.1	93.3 91.8	92.6	6.22 6.11	6.17	5.82	2.7 2.6	2.7	2.9	1.7 1.8	1.8	2.4	SW	25	No any influencing factor was observed during monitoring.
					17.1	17.1	25.9 25.7	25.8	34.8 35.1	34.9	7.9 7.9	7.9	82.3 81.4	81.9	5.51 5.44	5.48		2.7 3.0	2.9		2.2 2.5	2.4				
					33.3	33.3	25.3 25.5	25.4	36.3 35.9	36.1	7.9 7.9	7.9	68.2 68.7	68.5	4.56 4.59	4.58	4.58	3.2 3.0	3.1		3.0 3.3	3.2				
20-Jul-22	C6/C7	Sunny	Moderate	10:12	1.0	1.0	29.5 29.5	29.5	26.4 26.4	26.4	8.4 8.4	8.4	115.3 109.6	112.5	7.60 7.22	7.41	6.94	2.3 2.2	2.3	2.5	3.4 3.7	3.6	3.2	SE	21	No any influencing factor was observed during monitoring.
					17.5	17.5	26.6 26.6	26.6	32.6 32.5	32.6	7.9 7.9	7.9	95.3 96.9	96.1	6.44 6.51	6.48		2.5 2.3	2.4		3.2 3.4	3.3				
					34.1	34.1	24.7 24.8	24.8	37.3 37.2	37.3	7.7 7.8	7.8	80.1 78.8	79.5	5.35 5.24	5.30	5.30	2.6 2.8	2.7		2.7 2.9	2.8				
22-Jul-22	C6/C7	Sunny	Moderate	13:20	1.0	1.0	29.2 29.8	29.5	28.6 27.8	28.2	8.4 8.4	8.4	127.6 124.9	126.3	8.35 8.18	8.27	7.04	2.7 2.7	2.7	2.8	4.3 4.6	4.5	3.6	SW	15	No any influencing factor was observed during monitoring.
					18.3	18.3	24.2 24.7	24.4	37.8 37.9	37.8	7.7 7.8	7.7	87.7 87.8	87.8	5.79 5.83	5.81		2.7 2.6	2.7		3.3 3.6	3.5				
					35.5	35.5	23.3 23.3	23.3	38.1 38.7	38.4	7.8 7.7	7.7	78.2 75.4	76.8	5.33 5.17	5.25	5.25	3.0 3.2	3.1		2.9 3.0	3.0				
25-Jul-22	C6/C7	Fine	Moderate	23:03	1.0	1.0	31.4 31.7	31.6	27.8 27.7	27.8	8.5 8.5	8.5	113.5 111.8	112.7	7.11 7.07	7.09	6.67	2.5 2.5	2.5	2.5	2.2 2.3	2.3	2.3	S	14	No any influencing factor was observed during monitoring.
					17.7	17.7	25.5 24.7	25.1	35.9 37.3	36.6	7.8 7.7	7.8	91.9 93.6	92.8	6.17 6.32	6.25		2.4 2.5	2.5		2.1 1.9	2.0				
					34.4	34.4	24.1 23.5	23.8	38.2 38.6	38.4	7.8 7.8	7.8	83.2 81.0	82.1	5.61 5.52	5.57	5.57	2.6 2.7	2.7		2.8 2.4	2.6				
27-Jul-22	C6/C7	Fine	Moderate	19:29	1.0	1.0	29.0 29.0	29.0	28.6 28.6	28.6	8.3 8.3	8.3	118.1 118.7	118.4	7.75 7.79	7.77	6.59	2.3 2.2	2.3	2.4	3.9 3.6	3.8	4.3	SW	16	No any influencing factor was observed during monitoring.
					18.3	18.3	24.8 25.0	24.9	36.3 36.0	36.2	7.7 7.7	7.7	80.5 81.0	80.8	5.37 5.43	5.40		2.4 2.3	2.4		4.2 4.4	4.3				
					35.6	35.6	24.0 24.0	24.0	37.8 37.9	37.8	7.7 7.7	7.7	77.2 76.6	76.9	5.21 5.19	5.20	5.20	2.6 2.7	2.7		5.0 4.7	4.9				
29-Jul-22	C6/C7	Fine	Moderate	20:16	1.0	1.0	28.8 28.9	28.8	29.8 29.8	29.8	8.3 8.3	8.3	122.7 130.9	126.8	8.03 8.56	8.30	7.06	2.0 2.0	2.0	2.3	4.3 4.6	4.5	4.1	SW	18	No any influencing factor was observed during monitoring.
					17.4	17.4	25.3 25.3	25.3	34.9 34.9	34.9	7.7 7.7	7.7	84.6 88.8	86.7	5.72 5.93	5.83		2.3 2.4	2.4		3.9 4.2	4.1				
					33.8	33.8	24.7 24.9	24.8	36.2 35.9	36.1	7.7 7.7	7.7	76.1 73.4	74.8	5.11 4.95	5.03	5.03	2.5 2.4	2.5		3.8 3.6	3.7				

*Depth Average

**Wind data extract from Waglan Island Weather Station of Hong Kong Observatory.

Mid-Ebb Tide - C8

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Soild (mg/L)			Wind**		Remark
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Direction	Speed (km/h)	
4-Jul-22	C8	Cloudy	Rough	15:40	1.0	1.0	26.8 26.8	26.8	32.7 32.8	32.8	8.1 8.1	8.1	87.7 88.1	87.9	5.84 5.86	5.85	5.73	1.8 1.8	1.8	1.8	4.9 5.1	5.0	4.6	SW	39	No any influencing factor was observed during monitoring.
					16.5	16.5	26.8 26.8	26.8	36.5 36.6	36.5	8.1 8.1	8.1	84.6 87.5	86.1	5.51 5.71	5.61		1.8 1.8	1.8		4.6 4.6	4.6				
					32.1	32.1	26.4 26.3	26.4	37.2 37.3	37.2	8.0 8.0	8.0	84.3 84.2	84.3	5.49 5.51	5.50	5.50	1.8 1.9	1.9		4.4 4.1	4.3				
6-Jul-22	C8	Fine	Moderate	16:37	1.0	1.0	27.4 27.4	27.4	20.0 19.9	20.0	8.0 8.0	8.0	85.3 85.0	85.2	6.03 6.01	6.02	5.73	2.1 2.1	2.1	2.3	2.2 2.2	2.2	2.4	S	28	No any influencing factor was observed during monitoring.
					16.5	16.5	26.7 26.7	26.7	30.6 30.9	30.8	8.0 8.0	8.0	81.8 79.3	80.6	5.52 5.34	5.43		2.3 2.2	2.3		2.5 2.3	2.4				
					32.1	32.1	26.6 26.6	26.6	36.2 36.1	36.1	8.0 8.0	8.0	77.5 76.6	77.1	5.07 5.02	5.05	5.05	2.4 2.5	2.5		2.7 2.6	2.7				
8-Jul-22	C8	Fine	Moderate	19:06	1.0	1.0	29.8 29.7	29.8	22.6 22.7	22.7	8.0 8.1	8.0	91.5 91.9	91.7	6.12 6.14	6.13	6.01	3.2 3.1	3.2	3.3	2.4 3.3	2.9	2.9	E	19	No any influencing factor was observed during monitoring.
					16.5	16.5	25.2 25.5	25.4	37.6 35.9	36.8	8.0 8.0	8.0	91.3 88.4	89.9	5.99 5.79	5.89		3.3 3.3	3.3		2.8 3.5	3.2				
					32.1	32.1	25.0 24.9	25.0	37.9 37.9	37.9	8.0 8.0	8.0	88.1 88.0	88.1	5.77 5.79	5.78	5.78	3.4 3.3	3.4		3.0 2.6	2.8				
11-Jul-22	C8	Sunny	Moderate	8:48	1.0	1.0	30.0 30.0	30.0	22.0 22.3	22.1	8.1 8.2	8.1	104.7 105.0	104.9	6.95 6.91	6.93	6.85	2.9 2.8	2.9	2.9	3.8 4.1	4.0	3.5	E	6	No any influencing factor was observed during monitoring.
					16.5	16.5	26.2 27.4	26.8	35.6 31.4	33.5	7.9 8.1	8.0	103.2 100.1	101.7	6.80 6.73	6.77		2.8 2.8	2.8		3.7 3.4	3.6				
					32.1	32.1	26.0 26.0	26.0	36.9 36.6	36.8	7.9 7.9	7.9	84.4 88.2	86.3	5.59 5.85	5.72	5.72	3.1 3.1	3.1		3.0 2.8	2.9				
13-Jul-22	C8	Sunny	Moderate	11:14	1.0	1.0	29.3 29.3	29.3	24.6 24.7	24.7	8.4 8.4	8.4	111.8 114.8	113.3	7.47 7.67	7.57	6.66	2.5 2.6	2.6	2.7	2.9 2.6	2.8	2.3	E	9	No any influencing factor was observed during monitoring.
					16.4	16.4	26.5 26.1	26.3	33.0 35.4	34.2	7.9 7.9	7.9	86.1 87.2	86.7	5.73 5.78	5.76		2.8 2.6	2.7		2.1 2.2	2.2				
					31.7	31.7	25.1 25.2	25.1	37.6 37.5	37.5	7.8 7.8	7.8	79.0 82.3	80.7	5.26 5.37	5.32	5.32	3.0 2.9	3.0		1.8 1.9	1.9				
15-Jul-22	C8	Sunny	Moderate	13:26	1.0	1.0	29.7 29.7	29.7	25.6 25.6	25.6	8.3 8.3	8.3	101.2 108.1	104.7	6.68 7.13	6.91	6.33	2.5 2.4	2.5	2.4	2.2 2.2	2.2	2.5	SW	19	No any influencing factor was observed during monitoring.
					16.3	16.3	24.9 25.0	25.0	37.6 37.4	37.5	7.8 7.8	7.8	85.3 86.6	86.0	5.70 5.79	5.75		2.4 2.4	2.4		2.4 2.5	2.5				
					31.6	31.6	24.9 24.9	24.9	37.7 37.7	37.7	7.8 7.8	7.8	70.5 68.6	69.6	4.71 4.58	4.65	4.65	2.4 2.5	2.5		2.7 2.8	2.8				
18-Jul-22	C8	Fine	Moderate	16:27	1.0	1.0	28.6 28.6	28.6	26.5 26.5	26.5	8.0 8.0	8.0	82.9 81.9	82.4	5.55 5.48	5.52	5.36	2.0 2.0	2.0	2.1	1.4 1.2	1.3	1.8	SW	26	No any influencing factor was observed during monitoring.
					16.5	16.5	27.4 27.2	27.3	28.8 30.2	29.5	7.9 7.9	7.9	79.0 77.9	78.5	5.27 5.15	5.21		1.9 2.0	2.0		1.8 1.9	1.9				
					32.0	32.0	25.7 25.7	25.7	35.6 35.6	35.6	7.9 7.9	7.9	76.0 76.7	76.4	5.07 5.12	5.10	5.10	2.4 2.3	2.4		2.2 2.1	2.2				
20-Jul-22	C8	Sunny	Moderate	17:41	1.0	1.0	29.4 29.4	29.4	26.9 26.9	26.9	8.4 8.5	8.4	115.7 116.0	115.9	7.62 7.65	7.64	6.96	2.0 2.1	2.1	2.4	4.6 4.5	4.6	3.9	SE	19	No any influencing factor was observed during monitoring.
					16.4	16.4	25.7 26.2	26.0	34.7 33.4	34.0	7.9 7.9	7.9	93.4 93.6	93.5	6.27 6.28	6.28		2.4 2.2	2.3		4.0 3.7	3.9				
					31.8	31.8	25.0 24.7	24.8	36.7 37.2	37.0	7.8 7.8	7.8	75.6 76.4	76.0	5.07 5.14	5.11	5.11	2.6 2.8	2.7		3.5 3.1	3.3				
22-Jul-22	C8	Fine	Moderate	7:13	1.0	1.0	29.8 29.6	29.7	27.1 27.2	27.2	8.5 8.5	8.5	98.9 103.1	101.0	6.96 7.20	7.08	6.29	2.8 2.8	2.8	2.9	3.5 3.6	3.6	3.2	W	9	No any influencing factor was observed during monitoring.
					16.4	16.4	25.2 25.9	25.5	36.0 34.3	35.1	7.8 7.9	7.9	80.6 82.5	81.6	5.43 5.56	5.50		2.8 3.0	2.9		3.1 3.3	3.2				
					31.7	31.7	24.2 24.5	24.4	38.5 38.2	38.3	7.8 7.8	7.8	75.5 77.3	76.4	5.13 5.20	5.17	5.17	3.0 3.2	3.1		2.7 2.9	2.8				
25-Jul-22	C8	Sunny	Moderate	9:46	1.0	1.0	30.8 30.8	30.8	28.0 28.0	28.0	8.4 8.4	8.4	117.1 121.4	119.3	7.49 7.77	7.63	6.82	2.5 2.4	2.5	2.6	3.5 4.1	3.8	3.1	SW	13	No any influencing factor was observed during monitoring.
					15.8	15.8	24.1 24.3	24.2	38.1 37.9	38.0	7.7 7.7	7.7	90.4 90.0	90.2	6.02 6.01	6.02		2.6 2.7	2.7		2.6 3.0	2.8				
					30.7	30.7	23.6 24.3	24.0	38.6 38.0	38.3	7.8 7.7	7.7	84.4 85.1	84.8	5.73 5.77	5.75	5.75	2.7 2.5	2.6		2.8 2.7	2.8				
27-Jul-22	C8	Sunny	Moderate	11:07	1.0	1.0	29.8 29.7	29.8	28.8 28.8	28.8	8.4 8.4	8.4	120.2 120.1	120.2	7.79 7.78	7.79	6.80	2.2 2.3	2.3	2.4	3.6 3.9	3.8	4.3	SW	16	No any influencing factor was observed during monitoring.
					16.6	16.6	25.1 25.0	25.0	35.8 36.1	36.0	7.8 7.8	7.8	88.1 86.9	87.5	5.79 5.82	5.81		2.4 2.4	2.4		4.3 4.1	4.2				
					32.2	32.2	24.6 24.8	24.7	37.2 36.8	37.0	7.8 7.8	7.8	78.0 78.6	78.3	5.25 5.29	5.27	5.27	2.7 2.6	2.7		4.9 4.7	4.8				
29-Jul-22	C8	Sunny	Moderate	11:15	1.0	1.0	29.1 29.0	29.0	30.1 30.2	30.1	8.2 8.2	8.2	120.3 125.5	122.9	7.83 8.17	8.00	6.81	3.0 2.8	2.9	3.0	2.5 2.9	2.7	3.3	SW	16	No any influencing factor was observed during monitoring.
					16.7	16.7	25.0 25.0	25.0	35.6 35.6	35.6	7.6 7.7	7.6	84.2 84.6	84.4	5.56 5.66	5.61		3.0 3.0	3.0		3.2 3.4	3.3				
					32.3	32.3	25.0 24.9	24.9	36.0 36.1	36.1	7.7 7.7	7.7	77.1 75.7	76.4	5.22 5.10	5.16	5.16	2.9 3.1	3.0		3.9 3.6	3.8				

*Depth Average

**Wind data extract from Waglan Island Weather Station of Hong Kong Observatory.

Mid-Flood Tide - C8

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Wind**		Remark
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Direction	Speed (km/h)	
4-Jul-22	C8	Cloudy	Rough	6:57	1.0	1.0	26.6 26.6	26.6	30.7 30.7	30.7	8.0 8.0	8.0	86.3 86.4	86.4	5.83 5.72	5.78	5.68	3.6 3.6	3.6	3.5	5.4 5.7	5.6	4.5	S	52	No any influencing factor was observed during monitoring.
					16.9	16.9	26.6 26.6	26.6	33.3 33.6	33.5	8.1 8.1	8.1	85.6 83.2	84.4	5.66 5.51	5.59		3.5 3.5	3.5		4.7 4.3	4.5				
					32.7	32.7	26.6 26.7	26.6	34.5 33.9	34.2	8.1 8.1	8.1	82.8 81.6	82.2	5.51 5.42	5.47	5.47	3.5 3.5	3.5		3.6 3.3	3.5				
6-Jul-22	C8	Cloudy	Moderate	9:08	1.0	1.0	27.2 27.4	27.3	22.4 22.1	22.2	8.0 8.0	8.0	83.5 83.7	83.6	5.85 5.86	5.86	5.55	2.2 2.2	2.2	2.3	1.8 1.7	1.8	2.1	SW	23	No any influencing factor was observed during monitoring.
					16.3	16.3	26.7 26.7	26.7	33.0 32.5	32.7	8.0 8.0	8.0	78.5 78.9	78.7	5.23 5.27	5.25		2.3 2.2	2.3		2.2 2.1	2.2				
					31.7	31.7	26.7 26.7	26.7	37.1 37.0	37.0	8.0 8.0	8.0	81.0 81.0	81.0	5.27 5.28	5.28	5.28	2.5 2.4	2.5		2.5 2.4	2.5				
8-Jul-22	C8	Sunny	Moderate	12:08	1.0	1.0	29.8 29.7	29.7	22.1 21.9	22.0	8.0 8.1	8.0	92.5 92.1	92.3	6.27 6.24	6.26	6.23	3.2 3.2	3.2	3.4	4.6 3.7	4.2	3.3	E	17	No any influencing factor was observed during monitoring.
					16.0	16.0	25.9 25.9	25.9	35.4 35.6	35.5	8.0 8.0	8.0	92.2 91.0	91.6	6.25 6.16	6.21		3.4 3.4	3.4		2.6 3.0	2.8				
					31.0	31.0	25.4 25.6	25.5	37.2 37.3	37.2	8.0 8.0	8.0	90.4 92.1	91.3	6.13 6.24	6.19	6.19	3.5 3.6	3.6		2.4 3.5	3.0				
11-Jul-22	C8	Sunny	Moderate	17:12	1.0	1.0	29.9 29.5	29.7	22.8 23.0	22.9	8.1 8.1	8.1	101.3 102.9	102.1	6.77 6.84	6.81	6.64	2.8 2.8	2.8	2.9	3.2 3.6	3.4	2.9	SE	10	No any influencing factor was observed during monitoring.
					16.0	16.0	25.8 25.6	25.7	36.1 37.0	36.6	7.9 7.9	7.9	94.2 99.1	96.7	6.30 6.63	6.47		2.9 2.9	2.9		3.0 2.7	2.9				
					31.0	31.0	25.2 25.2	25.2	37.9 37.9	37.9	7.9 7.9	7.9	82.9 82.6	82.8	5.44 5.42	5.43	5.43	3.1 2.9	3.0		2.5 2.2	2.4				
13-Jul-22	C8	Fine	Moderate	18:56	1.0	1.0	29.8 30.0	29.9	23.2 22.7	22.9	8.4 8.5	8.4	125.3 120.9	123.1	8.37 8.07	8.22	7.38	2.1 2.2	2.2	2.3	1.4 1.2	1.3	1.8	SE	14	No any influencing factor was observed during monitoring.
					16.5	16.5	26.2 26.4	26.3	35.0 34.6	34.8	7.9 7.9	7.9	99.3 98.5	98.9	6.57 6.49	6.53		2.4 2.5	2.5		1.7 1.8	1.8				
					32.1	32.1	26.1 26.0	26.1	35.8 36.1	36.0	7.9 7.9	7.9	77.3 75.3	76.3	5.19 5.00	5.10	5.10	2.2 2.4	2.3		2.3 2.1	2.2				
15-Jul-22	C8	Fine	Moderate	5:23	1.0	1.0	28.9 28.9	28.9	26.9 26.9	26.9	8.3 8.3	8.3	102.7 101.9	102.3	6.82 6.77	6.80	6.09	2.2 2.4	2.3	2.5	2.8 3.0	2.9	3.3	SW	10	No any influencing factor was observed during monitoring.
					16.2	16.2	25.1 25.3	25.2	36.9 35.8	36.3	7.9 7.9	7.9	82.0 79.2	80.6	5.48 5.30	5.39		2.5 2.6	2.6		3.1 3.4	3.3				
					31.5	31.5	24.9 25.0	24.9	37.6 37.6	37.6	7.8 7.9	7.9	69.2 71.8	70.5	4.64 4.81	4.73	4.73	2.6 2.5	2.6		3.5 3.8	3.7				
18-Jul-22	C8	Sunny	Moderate	8:23	1.0	1.0	28.6 28.7	28.6	27.1 26.9	27.0	8.1 8.1	8.1	91.2 91.6	91.4	6.08 6.10	6.09	5.75	2.6 2.9	2.8	2.8	2.6 2.3	2.5	1.8	SW	28	No any influencing factor was observed during monitoring.
					16.6	16.6	25.4 25.6	25.5	35.9 35.5	35.7	7.9 7.9	7.9	79.7 80.7	80.2	5.34 5.47	5.41		2.8 2.8	2.8		1.8 1.9	1.9				
					32.2	32.2	25.4 25.0	25.2	36.2 37.1	36.6	7.9 7.9	7.9	75.5 74.6	75.1	5.08 4.99	5.04	5.04	3.0 2.8	2.9		1.1 1.2	1.2				
20-Jul-22	C8	Sunny	Moderate	10:26	1.0	1.0	29.5 29.7	29.6	26.4 26.3	26.4	8.4 8.4	8.4	108.5 108.2	108.4	7.15 7.12	7.14	6.86	2.3 2.2	2.3	2.3	3.5 3.4	3.5	3.2	SE	22	No any influencing factor was observed during monitoring.
					16.6	16.6	26.4 26.7	26.5	33.2 32.5	32.8	7.9 7.9	7.9	98.9 97.5	98.2	6.62 6.54	6.58		2.3 2.3	2.3		3.1 3.3	3.2				
					32.2	32.2	24.8 24.8	24.8	36.1 37.1	36.6	7.9 7.8	7.8	80.7 80.0	80.4	5.39 5.35	5.37	5.37	2.5 2.4	2.5		2.7 2.9	2.8				
22-Jul-22	C8	Sunny	Moderate	14:17	1.0	1.0	29.0 28.8	28.9	30.0 30.3	30.1	8.3 8.2	8.3	113.5 115.7	114.6	7.39 7.56	7.48	6.97	2.3 2.2	2.3	2.6	3.6 3.9	3.8	3.0	SW	16	No any influencing factor was observed during monitoring.
					17.0	17.0	24.2 23.5	23.8	37.9 38.5	38.2	7.8 7.8	7.8	87.6 89.0	88.3	6.01 6.92	6.47		2.6 2.6	2.6		2.7 3.0	2.9				
					33.0	33.0	22.8 22.7	22.8	38.9 38.9	38.9	7.8 7.8	7.8	81.7 81.5	81.6	5.61 5.61	5.61	5.61	2.9 3.0	3.0		2.4 2.5	2.5				
25-Jul-22	C8	Fine	Moderate	22:50	1.0	1.0	31.8 31.8	31.8	27.7 27.7	27.7	8.5 8.5	8.5	111.8 110.1	111.0	6.99 6.95	6.97	6.52	2.4 2.5	2.5	2.6	3.0 2.7	2.9	2.6	SW	14	No any influencing factor was observed during monitoring.
					16.3	16.3	25.8 25.4	25.6	35.6 36.2	35.9	7.8 7.8	7.8	90.1 89.3	89.7	6.07 6.05	6.06		2.5 2.6	2.6		2.9 2.9	2.9				
					31.6	31.6	23.9 23.9	23.9	38.4 38.3	38.3	7.8 7.8	7.8	81.1 80.2	80.7	5.49 5.37	5.43	5.43	2.9 2.8	2.9		2.3 2.0	2.2				
27-Jul-22	C8	Fine	Moderate	19:14	1.0	1.0	28.8 29.1	28.9	29.1 28.6	28.9	8.3 8.3	8.3	117.3 116.8	117.1	7.71 7.66	7.69	6.62	2.4 2.5	2.5	2.5	4.5 4.9	4.7	5.3	SW	18	No any influencing factor was observed during monitoring.
					16.1	16.1	24.7 24.7	24.7	36.4 36.4	36.4	7.7 7.7	7.7	83.9 82.7	83.3	5.60 5.52	5.56		2.5 2.3	2.4		5.1 5.4	5.3				
					31.1	31.1	23.7 23.7	23.7	38.2 38.2	38.2	7.7 7.7	7.7	77.7 79.1	78.4	5.28 5.37	5.33	5.33	2.6 2.7	2.7		5.8 6.2	6.0				
29-Jul-22	C8	Fine	Moderate	20:01	1.0	1.0	28.8 28.8	28.8	29.8 29.8	29.8	8.3 8.3	8.3	125.5 125.6	125.6	8.21 8.22	8.22	7.00	2.2 2.2	2.2	2.3	3.1 3.4	3.3	3.8	SW	19	No any influencing factor was observed during monitoring.
					16.0	16.0	24.9 25.2	25.0	35.8 35.1	35.5	7.7 7.6	7.6	84.7 86.0	85.4	5.72 5.83	5.78		2.2 2.3	2.3		3.7 3.9	3.8				
					31.0	31.0	24.8 25.0	24.9	36.2 35.8	36.0	7.6 7.6	7.6	75.3 78.1	76.7	5.09 5.25	5.17	5.17	2.6 2.5	2.6		4.7 4.2	4.5				

*Depth Average

**Wind data extract from Waglan Island Weather Station of Hong Kong Observatory.

Mid-Ebb Tide - F1

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Soild (mg/L)			Wind**		Remark
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Direction	Speed (km/h)	
4-Jul-22	F1	Cloudy	Rough	14:09	1.0	1.0	26.8 26.8	26.8	31.2 31.2	31.2	8.0 8.0	8.0	90.3 90.5	90.4	6.06 6.08	6.07	5.99	3.3 3.5	3.4	3.4	7.3 6.9	7.1	6.1	SW	49	No any influencing factor was observed during monitoring.
					9.0	9.0	26.7 26.7	26.7	32.3 31.9	32.1	8.1 8.1	8.1	89.1 89.5	89.3	5.88 5.93	5.91		3.3 3.3	3.3		6.2 5.8	6.0				
					17.1	17.1	26.6 26.6	26.6	34.7 34.6	34.7	8.1 8.1	8.1	87.3 88.6	88.0	5.84 5.91	5.88	5.88	3.4 3.6	3.5		5.1 5.5	5.3				
6-Jul-22	F1	Fine	Moderate	15:35	1.0	1.0	27.4 27.5	27.4	20.1 19.4	19.7	8.0 7.9	7.9	86.1 89.4	87.8	6.09 6.34	6.22	6.04	2.0 2.1	2.1	2.1	1.9 1.8	1.9	2.3	SW	22	No any influencing factor was observed during monitoring.
					9.1	9.1	27.3 27.2	27.3	20.5 29.5	25.0	8.0 8.0	8.0	86.7 83.0	84.9	6.13 5.59	5.86		2.1 2.1	2.1		2.2 2.4	2.3				
					17.3	17.3	26.7 26.6	26.7	32.6 33.1	32.8	8.0 8.0	8.0	83.7 80.6	82.2	5.59 5.37	5.48	5.48	2.1 2.2	2.2		2.5 2.8	2.7				
8-Jul-22	F1	Fine	Moderate	17:57	1.0	1.0	29.9 29.9	29.9	22.4 22.5	22.5	8.1 8.1	8.1	94.1 94.3	94.2	6.34 6.36	6.35	6.27	3.1 3.2	3.2	3.4	3.4 2.8	3.1	2.8	E	19	No any influencing factor was observed during monitoring.
					9.0	9.0	26.3 26.8	26.5	36.0 36.7	36.3	8.1 8.1	8.1	92.9 93.3	93.1	6.16 6.21	6.19		3.5 3.4	3.5		3.8 2.2	3.0				
					17.0	17.0	25.6 26.1	25.8	37.0 37.3	37.1	8.1 8.0	8.0	91.1 92.4	91.8	6.12 6.19	6.16	6.16	3.6 3.4	3.5		2.4 2.2	2.3				
11-Jul-22	F1	Sunny	Moderate	9:53	1.0	1.0	29.8 29.9	29.9	22.5 22.5	22.5	8.1 8.1	8.1	103.2 101.2	102.2	6.80 6.69	6.75	6.29	2.8 2.8	2.8	2.8	2.6 2.9	2.8	3.1	E	8	No any influencing factor was observed during monitoring.
					9.2	9.2	26.3 26.8	26.5	35.1 34.2	34.6	7.9 8.0	8.0	86.4 89.5	88.0	5.77 5.90	5.84		2.9 2.7	2.8		3.2 3.0	3.1				
					17.4	17.4	26.0 25.8	25.9	36.3 37.3	36.8	7.9 7.9	7.9	86.8 83.7	85.3	5.77 5.53	5.65	5.65	2.9 2.8	2.9		3.4 3.6	3.5				
13-Jul-22	F1	Sunny	Moderate	12:17	1.0	1.0	28.8 28.7	28.8	25.9 25.9	25.9	8.3 8.3	8.3	103.9 103.6	103.8	6.95 6.94	6.95	6.38	2.5 2.6	2.6	2.9	3.2 3.6	3.4	2.9	E	8	No any influencing factor was observed during monitoring.
					9.2	9.2	26.7 26.6	26.6	32.4 32.5	32.4	8.0 7.9	7.9	88.6 86.3	87.5	5.86 5.77	5.82		2.8 3.0	2.9		3.0 2.6	2.8				
					17.3	17.3	25.7 25.4	25.5	37.2 37.3	37.2	7.9 7.9	7.9	82.5 85.6	84.1	5.38 5.68	5.53	5.53	3.2 3.3	3.3		2.2 2.6	2.4				
15-Jul-22	F1	Sunny	Moderate	12:22	1.0	1.0	29.5 29.4	29.4	25.7 25.7	25.7	8.3 8.3	8.3	101.2 100.4	100.8	6.71 6.66	6.69	6.17	2.2 2.2	2.2	2.4	2.7 2.9	2.8	3.1	SW	19	No any influencing factor was observed during monitoring.
					9.0	9.0	25.3 25.2	25.2	35.7 36.8	36.3	7.8 7.8	7.8	85.0 83.8	84.4	5.69 5.61	5.65		2.5 2.5	2.5		3.3 3.0	3.2				
					17.0	17.0	24.8 24.9	24.8	37.7 37.7	37.7	7.8 7.8	7.8	73.0 68.9	71.0	4.90 4.60	4.75	4.75	2.5 2.6	2.6		3.3 3.2	3.3				
18-Jul-22	F1	Fine	Moderate	15:11	1.0	1.0	28.6 28.6	28.6	26.5 26.5	26.5	8.0 8.0	8.0	83.7 84.0	83.9	5.69 5.45	5.57	5.48	2.0 1.9	2.0	2.2	1.3 1.5	1.4	1.8	SW	25	No any influencing factor was observed during monitoring.
					9.0	9.0	26.3 26.1	26.2	33.5 34.0	33.7	7.9 7.9	7.9	80.0 81.3	80.7	5.35 5.44	5.40		2.1 2.3	2.2		1.9 1.7	1.8				
					17.0	17.0	26.0 25.8	25.9	35.1 35.6	35.3	7.9 7.8	7.9	73.0 72.3	72.7	4.86 4.81	4.84	4.84	2.6 2.5	2.6		2.1 2.4	2.3				
20-Jul-22	F1	Sunny	Moderate	16:40	1.0	1.0	29.3 29.3	29.3	27.0 27.0	27.0	8.4 8.4	8.4	121.7 125.2	123.5	8.02 8.25	8.14	7.35	2.0 1.9	2.0	2.1	4.0 3.8	3.9	4.4	SE	16	No any influencing factor was observed during monitoring.
					8.8	8.8	25.7 25.4	25.6	34.8 35.6	35.2	7.9 7.9	7.9	98.5 96.6	97.6	6.64 6.48	6.56		2.1 2.2	2.2		4.2 4.4	4.3				
					16.5	16.5	25.5 25.1	25.3	35.7 36.4	36.0	7.9 7.9	7.9	79.1 77.1	78.1	5.25 5.17	5.21	5.21	2.1 2.3	2.2		5.3 4.9	5.1				
22-Jul-22	F1	Fine	Moderate	8:13	1.0	1.0	29.7 29.8	29.7	27.5 27.3	27.4	8.5 8.5	8.5	124.1 128.1	126.1	8.11 8.36	8.24	7.18	2.7 2.6	2.7	2.8	4.2 4.5	4.4	3.9	W	12	No any influencing factor was observed during monitoring.
					9.1	9.1	25.3 24.9	25.1	35.7 36.9	36.3	7.8 7.8	7.8	91.5 90.1	90.8	6.16 6.07	6.12		2.7 2.5	2.6		3.7 3.9	3.8				
					17.2	17.2	24.4 23.9	24.2	37.8 38.4	38.1	7.8 7.8	7.8	76.0 77.6	76.8	5.10 5.25	5.18	5.18	3.1 3.2	3.2		3.3 3.5	3.4				
25-Jul-22	F1	Sunny	Moderate	10:48	1.0	1.0	31.0 31.1	31.0	28.0 28.0	28.0	8.5 8.5	8.5	121.0 118.2	119.6	7.72 7.53	7.63	6.82	2.5 2.3	2.4	2.5	3.4 4.4	3.9	3.2	SW	18	No any influencing factor was observed during monitoring.
					9.4	9.4	25.1 25.4	25.3	36.7 36.0	36.4	7.7 7.8	7.8	89.3 87.9	88.6	6.04 5.97	6.01		2.4 2.3	2.4		3.3 3.0	3.2				
					17.8	17.8	23.9 24.0	24.0	38.3 38.2	38.2	7.8 7.8	7.8	81.2 78.7	80.0	5.55 5.39	5.47	5.47	2.8 2.7	2.8		2.8 2.5	2.7				
27-Jul-22	F1	Sunny	Moderate	12:12	1.0	1.0	29.7 29.8	29.7	28.8 28.8	28.8	8.4 8.4	8.4	125.9 119.4	122.7	8.17 7.74	7.96	6.87	2.2 2.4	2.3	2.4	5.2 5.2	5.2	4.6	SW	19	No any influencing factor was observed during monitoring.
					8.7	8.7	26.0 25.2	25.6	34.7 35.6	35.2	8.0 7.8	7.9	85.9 88.8	87.4	5.73 5.83	5.78		2.4 2.5	2.5		4.6 4.9	4.8				
					16.4	16.4	24.9 24.9	24.9	36.2 36.3	36.2	7.8 7.8	7.8	78.8 79.3	79.1	5.31 5.30	5.31	5.31	2.6 2.4	2.5		3.6 3.8	3.7				
29-Jul-22	F1	Sunny	Moderate	12:18	1.0	1.0	29.1 29.2	29.2	30.1 29.9	30.0	8.2 8.3	8.3	123.3 121.1	122.2	8.02 7.86	7.94	6.92	2.3 2.2	2.3	2.5	4.7 4.4	4.6	4.1	SW	18	No any influencing factor was observed during monitoring.
					8.8	8.8	25.6 25.2	25.4	34.7 35.2	34.9	7.7 7.7	7.7	86.7 88.2	87.5	5.85 5.96	5.91		2.6 2.5	2.6		4.2 3.9	3.9				
					16.7	16.7	25.0 24.8	24.9	35.6 35.9	35.8	7.7 7.7	7.7	75.9 76.2	76.1	5.12 5.15	5.14	5.14	2.7 2.6	2.7		3.2 2.9	3.1				

*Depth Average

**Wind data extract from Waglan Island Weather Station of Hong Kong Observatory.

Mid-Flood Tide - F1

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Wind**		Remark
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Direction	Speed (km/h)	
4-Jul-22	F1	Cloudy	Rough	8:27	1.0	1.0	26.6 26.6	26.6	31.0 31.0	31.0	8.0 8.0	8.0	86.1 85.7	85.9	5.71 5.78	5.75	5.70	3.5 3.5	3.5	3.6	3.4 3.1	3.3	4.1	S	51	No any influencing factor was observed during monitoring.
					9.2	9.2	26.6 26.5	26.5	33.5 32.9	33.2	8.0 8.0	8.0	84.3 84.9	84.6	5.69 5.62	5.66		3.6 3.6	3.6		4.2 4.3	4.3				
					17.3	17.3	26.6 26.6	26.6	34.2 34.4	34.3	8.0 8.1	8.1	83.9 83.1	83.5	5.58 5.55	5.57	5.57	3.7 3.6	3.7		4.7 4.9	4.8				
6-Jul-22	F1	Cloudy	Moderate	10:10	1.0	1.0	27.0 27.0	27.0	24.3 24.7	24.5	8.0 7.9	7.9	80.2 80.3	80.3	5.58 5.57	5.58	5.40	2.0 2.0	2.0	2.1	3.0 2.7	2.9	2.3	SW	30	No any influencing factor was observed during monitoring.
					9.1	9.1	26.7 26.7	26.7	31.1 31.4	31.3	8.0 8.0	8.0	77.9 80.3	79.1	5.19 5.27	5.23		2.0 2.0	2.0		2.4 2.1	2.3				
					17.2	17.2	26.6 26.7	26.6	35.9 35.6	35.7	8.0 8.0	8.0	76.9 77.1	77.0	5.17 5.12	5.15	5.15	2.3 2.4	2.4		1.8 1.5	1.7				
8-Jul-22	F1	Sunny	Moderate	13:13	1.0	1.0	29.4 30.0	29.7	22.9 22.2	22.5	8.1 8.1	8.1	89.9 89.5	89.7	5.99 6.06	6.03	5.98	3.2 3.5	3.4	3.4	1.9 2.8	2.4	2.4	E	11	No any influencing factor was observed during monitoring.
					9.0	9.0	26.5 26.5	26.5	31.5 33.9	32.7	8.1 8.1	8.1	88.7 88.1	88.4	5.90 5.97	5.94		3.4 3.3	3.4		2.8 1.8	2.3				
					17.0	17.0	25.9 26.2	26.0	36.9 36.0	36.5	8.1 8.1	8.1	86.9 87.7	87.3	5.83 5.86	5.85	5.85	3.4 3.4	3.4		2.5 2.8	2.7				
11-Jul-22	F1	Sunny	Moderate	16:06	1.0	1.0	30.0 29.9	29.9	22.5 22.5	22.5	8.1 8.1	8.1	119.9 119.9	119.9	8.03 7.90	7.97	7.74	2.8 2.8	2.8	2.8	2.7 2.8	2.8	3.0	E	9	No any influencing factor was observed during monitoring.
					9.3	9.3	26.9 26.3	26.6	31.8 32.9	32.4	8.0 8.0	8.0	113.9 112.2	113.1	7.62 7.39	7.51		2.8 2.8	2.8		3.0 3.1	3.1				
					17.6	17.6	25.6 26.2	25.9	37.3 36.0	36.7	7.9 8.0	7.9	78.4 79.8	79.1	5.26 5.33	5.30	5.30	2.9 2.8	2.9		3.3 3.2	3.3				
13-Jul-22	F1	Fine	Moderate	17:48	1.0	1.0	30.2 29.9	30.0	22.5 23.2	22.8	8.5 8.5	8.5	114.8 112.8	113.8	7.61 7.52	7.57	6.65	1.8 1.9	1.9	2.1	2.3 2.1	2.2	1.8	SE	12	No any influencing factor was observed during monitoring.
					9.1	9.1	26.8 26.5	26.6	32.6 33.7	33.2	8.0 7.9	8.0	85.2 87.1	86.2	5.67 5.79	5.73		2.0 2.1	2.1		1.7 1.8	1.8				
					17.2	17.2	26.6 26.3	26.4	33.3 34.5	33.9	8.0 7.9	7.9	84.4 86.4	85.4	5.53 5.74	5.64	5.64	2.3 2.2	2.3		1.5 1.3	1.4				
15-Jul-22	F1	Fine	Moderate	6:27	1.0	1.0	29.0 28.9	28.9	26.7 26.8	26.7	8.3 8.3	8.3	93.5 91.2	92.4	6.21 6.06	6.14	5.94	2.2 2.1	2.2	2.1	3.4 3.8	3.6	2.9	SW	13	No any influencing factor was observed during monitoring.
					9.0	9.0	25.7 25.9	25.8	34.9 34.4	34.7	7.9 7.9	7.9	85.4 86.7	86.1	5.71 5.79	5.75		2.1 2.1	2.1		3.0 2.6	2.8				
					17.0	17.0	25.8 25.0	25.4	34.9 37.1	36.0	7.9 7.9	7.9	79.1 71.4	75.3	5.29 4.78	5.04	5.04	2.1 2.1	2.1		2.4 2.2	2.3				
18-Jul-22	F1	Sunny	Moderate	9:23	1.0	1.0	28.7 28.8	28.7	26.9 26.8	26.8	8.1 8.1	8.1	87.5 89.5	88.5	5.83 5.96	5.90	5.78	2.3 2.4	2.4	2.5	1.5 1.3	1.4	1.9	SW	24	No any influencing factor was observed during monitoring.
					8.9	8.9	25.1 25.7	25.4	36.8 35.7	36.2	7.9 7.9	7.9	83.7 83.2	83.5	5.68 5.66	5.67		2.3 2.5	2.4		1.7 1.9	1.8				
					16.8	16.8	24.7 25.0	24.9	37.4 37.0	37.2	7.9 7.9	7.9	77.0 79.9	78.5	5.16 5.35	5.26	5.26	3.0 2.7	2.9		2.2 2.6	2.4				
20-Jul-22	F1	Sunny	Moderate	11:30	1.0	1.0	29.8 29.8	29.8	25.8 25.8	25.8	8.5 8.5	8.5	124.8 122.5	123.7	8.28 8.24	8.26	7.15	2.0 2.2	2.1	2.5	4.5 4.9	4.7	4.3	SE	23	No any influencing factor was observed during monitoring.
					8.9	8.9	24.8 25.1	25.0	36.9 36.6	36.7	7.8 7.8	7.8	90.5 89.1	89.8	6.09 5.97	6.03		2.4 2.5	2.5		4.1 4.3	4.2				
					16.9	16.9	24.5 24.4	24.4	37.7 37.9	37.8	7.8 7.8	7.8	81.8 80.2	81.0	5.44 5.36	5.40	5.40	2.8 3.0	2.9		3.8 3.9	3.9				
22-Jul-22	F1	Sunny	Moderate	12:27	1.0	1.0	30.1 30.1	30.1	26.8 26.8	26.8	8.6 8.6	8.6	135.2 137.3	136.3	8.81 8.95	8.88	7.51	2.5 2.4	2.5	2.6	3.4 3.6	3.5	2.9	S	12	No any influencing factor was observed during monitoring.
					10.0	10.0	25.4 25.6	25.5	36.7 36.1	36.4	7.8 7.8	7.8	93.8 90.5	92.2	6.26 6.01	6.14		2.4 2.5	2.5		2.6 2.8	2.7				
					19.1	19.1	25.1 24.9	25.0	37.7 37.9	37.8	7.8 7.8	7.8	80.5 82.2	81.4	5.37 5.46	5.42	5.42	2.9 3.0	3.0		2.2 2.5	2.4				
25-Jul-22	F1	Fine	Moderate	21:44	1.0	1.0	31.3 31.4	31.3	27.8 27.8	27.8	8.6 8.5	8.5	102.7 105.6	104.2	6.50 6.77	6.64	6.26	3.0 2.9	3.0	2.9	2.4 2.5	2.5	2.2	SW	13	No any influencing factor was observed during monitoring.
					9.2	9.2	24.2 24.1	24.1	38.0 38.1	38.0	7.8 7.8	7.8	88.1 88.7	88.4	5.83 5.92	5.88		3.0 2.8	2.9		2.2 2.4	2.3				
					17.3	17.3	23.8 23.8	23.8	38.3 38.4	38.3	7.8 7.8	7.8	82.3 80.5	81.4	5.41 5.39	5.40	5.40	2.8 2.9	2.9		2.0 1.9	2.0				
27-Jul-22	F1	Fine	Moderate	18:11	1.0	1.0	29.1 29.1	29.1	28.6 28.6	28.6	8.3 8.3	8.3	116.5 118.3	117.4	7.64 7.76	7.70	6.63	2.5 2.3	2.4	2.7	6.3 6.7	6.5	5.3	SW	24	No any influencing factor was observed during monitoring.
					8.5	8.5	24.7 24.5	24.6	36.6 36.9	36.8	7.7 7.7	7.7	82.9 82.4	82.7	5.62 5.49	5.56		2.7 2.8	2.8		4.9 5.2	5.1				
					16.1	16.1	24.2 24.1	24.2	37.5 37.6	37.6	7.8 7.8	7.8	78.9 77.4	78.2	5.34 5.28	5.31	5.31	3.0 2.7	2.9		4.3 4.1	4.2				
29-Jul-22	F1	Fine	Moderate	18:58	1.0	1.0	28.4 28.8	28.6	30.4 29.9	30.2	8.2 8.2	8.2	124.4 126.2	125.3	8.10 8.26	8.18	6.94	2.2 2.3	2.3	2.5	4.8 4.4	4.6	4.0	SW	21	No any influencing factor was observed during monitoring.
					9.0	9.0	25.0 25.1	25.1	36.2 36.0	36.1	7.7 7.7	7.7	85.8 85.7	85.8	5.72 5.68	5.70		2.6 2.4	2.5		4.1 3.7	3.9				
					17.0	17.0	24.3 24.2	24.2	37.3 37.4	37.4	7.7 7.6	7.6	80.6 80.2	80.4	5.38 5.36	5.37	5.37	2.6 2.7	2.7		3.4 3.3	3.4				

*Depth Average

**Wind data extract from Waglan Island Weather Station of Hong Kong Observatory.

Mid-Ebb Tide - F2

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Soild (mg/L)			Wind**		Remark
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Direction	Speed (km/h)	
4-Jul-22	F2	Cloudy	Rough	14:19	1.0	1.0	26.7 26.7	26.7	31.2 31.2	31.2	8.0 8.0	8.0	86.2 84.9	85.6	5.80 5.72	5.76	5.67	3.2 3.1	3.2	3.2	4.3 4.0	4.2	4.7	SW	50	No any influencing factor was observed during monitoring.
					11.0	11.0	26.6 26.5	26.5	34.9 35.3	35.1	8.1 8.1	8.1	86.0 83.4	84.7	5.66 5.49	5.58		3.2 3.2	3.2		4.8 4.6	4.7				
					21.1	21.1	26.5 26.5	26.5	35.6 35.4	35.5	8.1 8.1	8.1	79.3 77.8	78.6	5.24 5.13	5.19	5.19	3.3 3.2	3.3		5.5 5.2	5.4				
6-Jul-22	F2	Fine	Moderate	15:23	1.0	1.0	27.4 27.4	27.4	19.7 19.9	19.8	8.0 7.9	7.9	87.8 86.9	87.4	6.23 6.16	6.20	5.94	2.1 2.2	2.2	2.3	2.2 2.2	2.2	2.6	SW	22	No any influencing factor was observed during monitoring.
					10.8	10.8	27.0 26.8	26.9	29.8 29.3	29.6	8.0 8.0	8.0	83.9 84.2	84.1	5.65 5.71	5.68		2.3 2.2	2.3		2.7 2.5	2.6				
					20.5	20.5	26.6 26.6	26.6	35.5 33.8	34.6	8.0 8.0	8.0	81.7 84.6	83.2	5.37 5.61	5.49	5.49	2.3 2.5	2.4		2.9 3.1	3.0				
8-Jul-22	F2	Fine	Moderate	17:49	1.0	1.0	29.9 29.7	29.8	22.3 22.6	22.5	8.1 8.1	8.1	88.7 90.0	89.4	6.00 6.08	6.04	5.95	3.3 3.3	3.3	3.4	3.5 4.0	3.8	3.3	E	19	No any influencing factor was observed during monitoring.
					11.0	11.0	26.1 26.3	26.2	35.6 34.7	35.2	8.1 8.1	8.1	89.8 87.2	88.5	5.94 5.77	5.86		3.4 3.5	3.5		2.4 2.8	2.6				
					21.0	21.0	25.8 25.9	25.8	36.9 36.3	36.6	8.1 8.1	8.1	81.6 83.1	82.4	5.41 5.52	5.47	5.47	3.5 3.4	3.5		3.6 3.5	3.6				
11-Jul-22	F2	Sunny	Moderate	10:13	1.0	1.0	29.5 30.0	29.7	23.1 22.4	22.7	8.1 8.1	8.1	102.1 108.3	105.2	6.84 7.16	7.00	6.84	2.8 2.8	2.8	2.9	3.2 3.2	3.2	2.9	E	9	No any influencing factor was observed during monitoring.
					10.8	10.8	26.5 26.5	26.5	34.1 34.1	34.1	8.0 8.0	8.0	101.9 99.3	100.6	6.74 6.60	6.67		2.8 2.9	2.9		3.1 2.8	3.0				
					20.6	20.6	26.0 26.2	26.1	37.1 36.2	36.7	8.0 7.9	7.9	89.5 83.7	86.6	5.95 5.55	5.75	5.75	2.9 3.1	3.0		2.5 2.6	2.6				
13-Jul-22	F2	Sunny	Moderate	12:29	1.0	1.0	28.7 28.6	28.7	25.9 25.9	25.9	8.3 8.3	8.3	98.6 97.8	98.2	6.61 6.56	6.59	5.78	2.6 2.7	2.7	2.9	2.6 2.4	2.5	2.1	E	10	No any influencing factor was observed during monitoring.
					10.9	10.9	26.6 26.6	26.6	32.3 32.2	32.2	7.9 7.9	7.9	75.5 74.1	74.8	5.02 4.94	4.98		2.8 3.0	2.9		2.2 2.0	2.1				
					20.9	20.9	25.6 25.1	25.4	36.1 37.6	36.8	7.9 7.8	7.9	72.9 73.7	73.3	4.85 4.90	4.88	4.88	3.3 3.2	3.3		1.9 1.6	1.8				
15-Jul-22	F2	Sunny	Moderate	12:11	1.0	1.0	29.3 29.4	29.4	25.8 25.7	25.7	8.3 8.3	8.3	98.8 100.4	99.6	6.55 6.65	6.60	5.99	2.6 2.4	2.5	2.6	2.4 2.1	2.3	2.7	SW	16	No any influencing factor was observed during monitoring.
					10.8	10.8	25.4 25.4	25.4	36.4 36.2	36.3	7.8 7.8	7.8	77.3 83.9	80.6	5.14 5.60	5.37		2.8 2.6	2.7		2.7 2.7	2.7				
					20.6	20.6	25.5 25.4	25.4	36.6 36.6	36.6	7.8 7.8	7.8	70.4 71.1	70.8	4.71 4.75	4.73	4.73	2.8 2.6	2.7		3.2 2.8	3.0				
18-Jul-22	F2	Fine	Moderate	15:02	1.0	1.0	28.6 28.6	28.6	26.5 26.5	26.5	8.0 8.0	8.0	82.1 81.5	81.8	5.50 5.45	5.48	5.35	2.0 1.9	2.0	2.3	2.4 2.3	2.4	1.9	SW	24	No any influencing factor was observed during monitoring.
					11.2	11.2	25.9 25.9	25.9	34.7 35.1	34.9	7.9 7.8	7.8	78.0 77.4	77.7	5.25 5.20	5.23		2.4 2.2	2.3		2.1 2.0	2.1				
					21.4	21.4	25.8 25.9	25.9	35.7 35.4	35.6	7.8 7.8	7.8	70.9 72.5	71.7	4.72 4.82	4.77	4.77	2.5 2.5	2.5		1.4 1.4	1.4				
20-Jul-22	F2	Sunny	Moderate	16:29	1.0	1.0	29.3 29.3	29.3	27.0 27.0	27.0	8.4 8.4	8.4	105.0 107.0	106.0	6.93 7.06	7.00	6.49	2.1 2.1	2.1	2.4	4.9 4.7	4.8	4.3	SE	17	No any influencing factor was observed during monitoring.
					10.8	10.8	25.4 25.0	25.2	35.7 36.6	36.2	7.8 7.8	7.8	89.2 89.1	89.2	5.98 5.99	5.99		2.2 2.6	2.4		4.5 4.1	4.3				
					20.7	20.7	24.4 25.1	24.7	38.1 36.5	37.3	7.8 7.8	7.8	74.3 75.3	74.8	4.99 5.05	5.02	5.02	2.8 2.5	2.7		3.7 3.9	3.8				
22-Jul-22	F2	Fine	Moderate	8:27	1.0	1.0	29.8 30.1	29.9	27.3 27.1	27.2	8.5 8.6	8.5	121.4 129.7	125.6	7.93 8.44	8.19	6.78	2.2 2.3	2.3	2.4	3.2 3.5	3.4	2.9	W	9	No any influencing factor was observed during monitoring.
					11.0	11.0	25.4 25.6	25.5	35.8 35.3	35.6	7.8 7.9	7.8	79.0 80.3	79.7	5.34 5.39	5.37		2.5 2.4	2.5		2.8 2.9	2.9				
					21.1	21.1	24.7 24.0	24.4	37.2 38.3	37.8	7.8 7.8	7.8	78.4 77.1	77.8	5.27 5.22	5.25	5.25	2.5 2.7	2.6		2.6 2.6	2.6				
25-Jul-22	F2	Sunny	Moderate	10:59	1.0	1.0	31.1 31.0	31.0	28.0 28.1	28.0	8.4 8.4	8.4	122.3 123.7	123.0	7.79 7.82	7.81	7.03	2.5 2.2	2.4	2.4	2.9 2.4	2.7	3.0	SW	18	No any influencing factor was observed during monitoring.
					11.1	11.1	25.5 25.5	25.5	36.0 36.0	36.0	7.8 7.8	7.8	93.3 92.5	92.9	6.28 6.23	6.26		2.2 2.3	2.3		3.0 3.2	3.1				
					21.3	21.3	23.9 24.5	24.2	38.3 37.8	38.1	7.8 7.7	7.8	84.8 81.5	83.2	5.74 5.48	5.61	5.61	2.7 2.6	2.7		3.4 3.2	3.3				
27-Jul-22	F2	Sunny	Moderate	12:20	1.0	1.0	29.6 29.5	29.6	28.7 28.7	28.7	8.4 8.4	8.4	119.3 123.1	121.2	7.75 8.01	7.88	6.66	2.3 2.2	2.3	2.5	5.0 5.3	5.2	4.6	SW	19	No any influencing factor was observed during monitoring.
					10.7	10.7	24.9 24.9	24.9	36.2 36.3	36.2	7.8 7.8	7.8	80.7 81.4	81.1	5.44 5.44	5.44		2.7 2.7	2.7		4.4 4.8	4.6				
					20.5	20.5	24.7 24.5	24.6	37.1 37.3	37.2	7.8 7.7	7.7	76.8 72.7	74.8	5.17 4.90	5.04	5.04	2.5 2.6	2.6		4.0 4.3	4.2				
29-Jul-22	F2	Sunny	Moderate	12:28	1.0	1.0	28.7 29.3	29.0	30.3 29.9	30.1	8.2 8.3	8.2	120.5 122.1	121.3	7.88 7.92	7.90	6.87	2.6 2.4	2.5	2.6	2.6 2.9	2.8	3.9	SW	18	No any influencing factor was observed during monitoring.
					10.7	10.7	24.9 24.8	24.9	35.8 36.1	35.9	7.7 7.7	7.7	87.8 84.9	86.4	5.94 5.74	5.84		2.5 2.4	2.5		3.7 4.0	3.9				
					20.3	20.3	24.7 24.7	24.7	36.2 36.2	36.2	7.7 7.7	7.7	80.7 80.3	80.5	5.23 5.21	5.22	5.22	2.7 2.8	2.8		5.0 5.4	5.2				

*Depth Average

**Wind data extract from Waglan Island Weather Station of Hong Kong Observatory.

Mid-Flood Tide - F2

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Wind**		Remark
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Direction	Speed (km/h)	
4-Jul-22	F2	Cloudy	Rough	8:12	1.0	1.0	26.6 26.6	26.6	30.9 31.0	30.9	8.0 8.0	8.0	85.4 84.2	84.8	5.77 5.68	5.73	5.61	3.5 3.6	3.6	4.0	3.7 3.4	3.6	3.0	S	55	No any influencing factor was observed during monitoring.
					11.0	11.0	26.7 26.6	26.6	34.0 33.6	33.8	8.1 8.1	8.1	81.3 84.9	83.1	5.38 5.62	5.50		4.1 4.2	4.2		3.1 2.8	3.0				
					21.0	21.0	26.6 26.6	26.6	34.4 34.4	34.4	8.1 8.1	8.1	79.7 82.5	81.1	5.28 5.48	5.38	5.38	4.2 4.1	4.2		2.4 2.7	2.6				
6-Jul-22	F2	Cloudy	Moderate	10:20	1.0	1.0	27.1 27.2	27.2	23.2 22.2	22.7	7.9 7.9	7.9	80.2 82.8	81.5	5.60 5.81	5.71	5.44	2.3 2.1	2.2	2.3	2.6 2.9	2.8	2.2	SW	30	No any influencing factor was observed during monitoring.
					10.7	10.7	26.7 26.7	26.7	33.3 33.6	33.4	8.0 8.0	8.0	77.8 77.7	77.8	5.17 5.16	5.17		2.2 2.3	2.3		2.4 2.2	2.3				
					20.4	20.4	26.6 26.6	26.6	36.1 36.0	36.0	8.0 8.0	8.0	77.4 76.9	77.2	5.07 5.04	5.06	5.06	2.3 2.4	2.4		1.5 1.4	1.5				
8-Jul-22	F2	Sunny	Moderate	13:25	1.0	1.0	29.8 29.8	29.8	22.3 22.2	22.3	8.1 8.1	8.1	89.2 88.0	88.6	6.05 5.96	6.01	5.89	3.1 3.1	3.1	3.1	2.7 2.2	2.5	2.9	E	13	No any influencing factor was observed during monitoring.
					10.5	10.5	26.7 26.2	26.5	34.0 34.8	34.4	8.0 8.0	8.0	88.7 85.1	86.9	5.90 5.66	5.78		3.1 3.1	3.1		3.4 3.0	3.2				
					20.0	20.0	26.0 25.8	25.9	36.1 37.0	36.6	8.0 8.0	8.0	86.3 83.5	84.9	5.76 5.56	5.66	5.66	3.2 3.1	3.2		3.7 2.5	3.1				
11-Jul-22	F2	Sunny	Moderate	15:53	1.0	1.0	29.7 30.0	29.9	22.8 22.5	22.7	8.1 8.1	8.1	105.9 111.7	108.8	7.09 7.48	7.29	7.02	2.6 2.4	2.5	2.5	2.8 3.2	3.0	2.7	E	7	No any influencing factor was observed during monitoring.
					11.0	11.0	26.1 26.3	26.2	35.8 34.9	35.4	7.9 8.0	7.9	100.7 103.9	102.3	6.64 6.85	6.75		2.5 2.6	2.6		2.8 2.5	2.7				
					21.1	21.1	26.0 25.8	25.9	36.5 37.1	36.8	7.9 7.9	7.9	81.3 84.8	83.1	5.39 5.63	5.51	5.51	2.5 2.5	2.5		2.4 2.2	2.3				
13-Jul-22	F2	Fine	Moderate	17:38	1.0	1.0	30.1 30.2	30.2	22.3 22.1	22.2	8.5 8.5	8.5	122.7 125.0	123.9	8.28 8.35	8.32	7.83	2.1 2.0	2.1	2.1	1.3 1.4	1.4	1.8	SE	15	No any influencing factor was observed during monitoring.
					11.1	11.1	26.4 26.5	26.5	33.6 33.6	33.6	8.0 8.0	8.0	108.4 112.3	110.4	7.23 7.47	7.35		1.9 2.1	2.0		1.6 1.7	1.7				
					21.2	21.2	26.4 26.4	26.4	34.0 34.1	34.1	8.0 8.0	8.0	101.7 102.5	102.1	6.78 6.81	6.80	6.80	2.2 2.0	2.1		2.3 2.2	2.3				
15-Jul-22	F2	Fine	Moderate	6:37	1.0	1.0	29.0 29.0	29.0	26.7 26.7	26.7	8.3 8.3	8.3	95.6 93.1	94.4	6.35 6.18	6.27	6.04	2.4 2.5	2.5	2.4	3.4 3.6	3.5	3.1	W	12	No any influencing factor was observed during monitoring.
					10.5	10.5	25.7 25.7	25.7	34.6 34.7	34.6	7.9 7.9	7.9	86.8 86.9	86.9	5.81 5.81	5.81		2.3 2.4	2.4		3.3 3.0	3.2				
					20.0	20.0	25.0 25.0	25.0	37.2 37.0	37.1	7.9 7.9	7.9	77.2 76.4	76.8	5.18 5.13	5.16	5.16	2.5 2.3	2.4		2.6 2.8	2.7				
18-Jul-22	F2	Sunny	Moderate	9:34	1.0	1.0	28.7 28.8	28.7	27.1 26.8	27.0	8.1 8.1	8.1	89.5 89.0	89.3	5.96 5.93	5.95	5.75	2.3 2.2	2.3	2.4	1.6 1.5	1.6	1.9	SW	23	No any influencing factor was observed during monitoring.
					11.1	11.1	25.8 26.0	25.9	34.8 34.1	34.4	7.9 7.9	7.9	84.4 85.1	84.8	5.50 5.61	5.56		2.4 2.2	2.3		1.8 1.8	1.8				
					21.2	21.2	24.7 24.6	24.6	37.6 37.7	37.7	7.9 7.9	7.9	76.3 75.4	75.9	5.12 5.06	5.09	5.09	2.6 2.5	2.6		2.2 2.3	2.3				
20-Jul-22	F2	Sunny	Moderate	11:40	1.0	1.0	29.9 29.9	29.9	25.8 25.7	25.7	8.5 8.5	8.5	119.4 121.7	120.6	7.79 7.98	7.89	6.91	2.2 2.1	2.2	2.5	3.5 3.0	3.3	2.8	SE	24	No any influencing factor was observed during monitoring.
					11.0	11.0	26.1 26.5	26.3	33.3 32.8	33.1	7.9 7.9	7.9	87.5 88.9	88.2	5.90 5.95	5.93		2.5 2.6	2.6		2.9 2.7	2.8				
					21.0	21.0	24.3 24.3	24.3	37.8 37.9	37.9	7.8 7.8	7.8	80.1 79.9	80.0	5.33 5.34	5.34	5.34	2.7 2.8	2.8		2.5 2.3	2.4				
22-Jul-22	F2	Sunny	Moderate	12:43	1.0	1.0	30.5 30.9	30.7	26.8 26.4	26.6	8.6 8.6	8.6	122.9 121.2	122.1	7.96 8.07	8.02	7.02	2.4 2.4	2.4	2.6	4.8 5.0	4.9	4.3	S	10	No any influencing factor was observed during monitoring.
					10.0	10.0	25.0 25.1	25.0	37.4 37.3	37.4	7.8 7.7	7.8	89.4 90.9	90.2	5.98 6.07	6.03		2.6 2.4	2.5		4.2 4.5	4.4				
					19.0	19.0	23.9 24.0	23.9	38.6 38.5	38.6	7.8 7.8	7.8	75.5 73.8	74.7	5.08 4.99	5.04	5.04	3.0 2.8	2.9		3.5 3.8	3.7				
25-Jul-22	F2	Fine	Moderate	21:34	1.0	1.0	31.1 31.2	31.2	27.8 27.8	27.8	8.5 8.5	8.5	102.2 105.3	103.8	6.68 6.72	6.70	6.60	3.0 2.8	2.9	3.0	2.7 2.8	2.8	2.8	SW	13	No any influencing factor was observed during monitoring.
					11.0	11.0	24.4 24.2	24.3	37.8 38.0	37.9	7.8 7.8	7.8	99.6 100.4	100.0	6.35 6.66	6.51		2.9 3.0	3.0		3.0 2.0	2.5				
					21.0	21.0	23.5 23.5	23.5	38.6 38.6	38.6	7.8 7.8	7.8	87.6 89.2	88.4	5.88 5.91	5.90	5.90	3.2 3.3	3.3		2.4 3.7	3.1				
27-Jul-22	F2	Fine	Moderate	18:01	1.0	1.0	29.0 29.0	29.0	28.6 28.7	28.6	8.3 8.3	8.3	115.9 119.1	117.5	7.60 7.82	7.71	6.60	2.1 2.1	2.1	2.3	4.6 4.4	4.5	4.1	SW	24	No any influencing factor was observed during monitoring.
					10.4	10.4	24.2 24.2	24.2	37.4 37.5	37.5	7.7 7.7	7.7	81.7 82.8	82.3	5.45 5.53	5.49		2.1 2.2	2.2		4.0 4.2	4.1				
					19.7	19.7	24.3 24.1	24.2	37.5 37.8	37.6	7.8 7.8	7.8	72.2 75.5	73.9	4.88 5.12	5.00	5.00	2.5 2.7	2.6		3.7 3.9	3.8				
29-Jul-22	F2	Fine	Moderate	18:49	1.0	1.0	28.5 28.5	28.5	30.4 30.4	30.4	8.2 8.2	8.2	121.9 124.5	123.2	7.99 8.16	8.08	6.94	2.4 2.3	2.4	2.6	5.1 4.7	4.9	4.4	SW	21	No any influencing factor was observed during monitoring.
					10.3	10.3	25.1 25.1	25.1	36.1 36.0	36.0	7.7 7.7	7.7	87.7 87.2	87.5	5.82 5.77	5.80		2.7 2.6	2.7		4.2 4.5	4.4				
					19.6	19.6	24.8 24.6	24.7	36.6 36.8	36.7	7.7 7.7	7.7	82.7 83.8	83.3	5.57 5.59	5.58	5.58	2.9 2.6	2.8		4.2 3.8	4.0				

*Depth Average

**Wind data extract from Waglan Island Weather Station of Hong Kong Observatory.

Mid-Ebb Tide - CS1

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity(NTU) Value	Turbidity(NTU) Average	Turbidity(NTU) DA*	Suspended Soild (mg/L) Value	Suspended Soild (mg/L) Average	Suspended Soild (mg/L) DA*	Wind** Direction	Wind** Speed (km/h)	Remark
4-Jul-22	CS1	Cloudy	Rough	15:02	1.0	1.0	26.8 26.8	26.8	33.7 33.6	33.7	8.1 8.1	8.1	87.2 86.9	87.1	5.77 5.75	5.76	5.68	2.4 2.5	2.5	2.6	4.5 4.9	4.7	4.1	SW	45	No any influencing factor was observed during monitoring.
					16.0	16.0	26.8 26.7	26.8	36.3 36.3	36.3	8.1 8.1	8.1	85.5 85.8	85.7	5.58 5.61	5.60		2.5 2.3	2.4		3.8 4.1	4.0				
					31.1	31.1	26.7 26.4	26.6	36.4 36.9	36.6	8.1 8.0	8.0	84.5 81.9	83.2	5.51 5.35	5.43		2.8 2.9	2.9		3.7 3.6	3.7				
6-Jul-22	CS1	Fine	Moderate	16:17	1.0	1.0	27.4 27.4	27.4	19.9 19.9	19.9	8.0 8.0	8.0	85.1 85.7	85.4	6.03 6.07	6.05	5.77	2.2 2.1	2.2	2.2	2.2 2.1	2.2	1.8	S	18	No any influencing factor was observed during monitoring.
					16.1	16.1	26.9 26.8	26.8	33.0 31.5	32.2	8.0 8.0	8.0	82.6 81.7	82.2	5.49 5.48	5.49		2.1 2.3	2.2		1.9 1.7	1.8				
					31.1	31.1	26.6 26.6	26.6	36.0 36.1	36.1	8.0 8.0	8.0	78.9 78.7	78.8	5.17 5.16	5.17	5.17	2.3 2.4	2.4		1.4 1.5	1.5				
8-Jul-22	CS1	Fine	Moderate	18:45	1.0	1.0	29.5 29.8	29.7	22.3 22.3	22.3	8.0 8.1	8.0	91.5 91.1	91.3	6.15 6.12	6.14	6.05	3.1 3.1	3.1	3.2	2.8 2.2	2.5	2.6	E	22	No any influencing factor was observed during monitoring.
					16.5	16.5	25.8 25.5	25.7	31.6 32.7	32.1	8.0 8.0	8.0	90.8 90.4	90.6	5.97 5.95	5.96		3.2 3.2	3.2		3.3 2.2	2.8				
					32.0	32.0	25.2 25.2	25.2	37.1 35.8	36.4	8.0 8.0	8.0	86.6 87.5	87.1	5.70 5.79	5.75	5.75	3.2 3.3	3.3		2.0 2.8	2.4				
11-Jul-22	CS1	Sunny	Moderate	9:09	1.0	1.0	29.9 30.0	30.0	22.3 22.1	22.2	8.2 8.1	8.1	97.7 98.9	98.3	6.55 6.61	6.58	6.42	2.9 3.1	3.0	3.2	3.9 3.5	3.7	3.1	E	6	No any influencing factor was observed during monitoring.
					16.0	16.0	26.0 26.1	26.1	35.6 35.9	35.7	7.9 7.9	7.9	93.5 94.5	94.0	6.19 6.33	6.26		3.2 3.2	3.2		3.2 2.9	3.1				
					31.0	31.0	25.8 25.8	25.8	37.5 37.5	37.5	7.9 7.9	7.9	86.5 82.4	84.5	5.73 5.43	5.58	5.58	3.3 3.2	3.3		2.4 2.6	2.5				
13-Jul-22	CS1	Sunny	Moderate	11:34	1.0	1.0	28.7 28.7	28.7	26.1 26.1	26.1	8.3 8.3	8.3	103.3 105.6	104.5	6.92 7.06	6.99	6.60	2.4 2.6	2.5	3.0	1.5 1.7	1.6	2.0	E	10	No any influencing factor was observed during monitoring.
					15.7	15.7	26.4 26.2	26.3	35.4 34.8	35.1	7.9 7.9	7.9	92.2 93.3	92.8	6.19 6.24	6.22		3.1 3.2	3.2		2.1 2.0	2.1				
					30.3	30.3	24.8 24.8	24.8	38.1 38.4	38.2	7.8 7.8	7.8	83.2 80.8	82.0	5.51 5.28	5.40	5.40	3.2 3.3	3.3		2.2 2.4	2.3				
15-Jul-22	CS1	Sunny	Moderate	13:08	1.0	1.0	29.6 29.5	29.6	25.6 25.7	25.7	8.3 8.3	8.3	90.2 98.9	94.6	5.96 6.55	6.26	6.01	1.9 1.9	1.9	2.1	4.0 3.7	3.9	3.3	SW	22	No any influencing factor was observed during monitoring.
					16.1	16.1	25.4 25.0	25.2	36.0 37.3	36.6	7.8 7.8	7.8	85.4 86.8	86.1	5.71 5.80	5.76		2.2 2.2	2.2		3.0 3.3	3.2				
					31.3	31.3	24.9 24.9	24.9	37.6 37.6	37.6	7.8 7.8	7.8	71.7 72.6	72.2	4.80 4.86	4.83	4.83	2.1 2.2	2.2		2.6 2.9	2.8				
18-Jul-22	CS1	Fine	Moderate	15:54	1.0	1.0	28.6 28.6	28.6	26.5 26.5	26.5	8.0 8.0	8.0	81.9 81.7	81.8	5.48 5.47	5.48	5.40	1.8 2.0	1.9	2.2	1.5 1.4	1.5	1.8	SW	21	No any influencing factor was observed during monitoring.
					15.7	15.7	26.6 26.6	26.6	32.2 32.4	32.3	7.9 7.9	7.9	80.2 79.3	79.8	5.37 5.28	5.33		2.2 2.1	2.2		1.7 1.9	1.8				
					30.4	30.4	25.7 25.6	25.6	35.8 35.5	35.7	7.8 7.9	7.9	73.9 75.0	74.5	4.93 5.01	4.97	4.97	2.3 2.5	2.4		2.3 2.2	2.3				
20-Jul-22	CS1	Sunny	Moderate	17:22	1.0	1.0	29.4 29.4	29.4	26.9 26.9	26.9	8.4 8.5	8.4	123.0 121.9	122.5	8.11 8.03	8.07	7.04	2.0 2.1	2.1	2.5	4.6 4.8	4.7	4.3	SE	22	No any influencing factor was observed during monitoring.
					16.0	16.0	25.0 25.1	25.1	36.5 36.4	36.4	7.8 7.8	7.8	88.8 90.1	89.5	5.98 6.02	6.00		2.6 2.6	2.6		4.3 4.4	4.4				
					31.1	31.1	24.9 24.4	24.6	36.7 38.0	37.3	7.8 7.8	7.8	74.8 75.1	75.0	5.02 5.05	5.04	5.04	2.6 2.8	2.7		4.0 3.7	3.9				
22-Jul-22	CS1	Fine	Moderate	7:32	1.0	1.0	29.7 29.7	29.7	27.2 27.3	27.2	8.5 8.5	8.5	98.7 97.9	98.3	6.95 6.91	6.93	6.20	2.5 2.5	2.5	2.6	2.8 2.8	2.8	3.4	W	6	No any influencing factor was observed during monitoring.
					15.8	15.8	26.6 25.6	26.1	32.9 34.5	33.7	8.0 7.9	7.9	80.8 82.0	81.4	5.45 5.50	5.48		2.4 2.5	2.5		3.5 3.2	3.4				
					30.6	30.6	24.5 24.0	24.2	38.1 38.5	38.3	7.8 7.8	7.8	77.4 76.9	77.2	5.24 5.22	5.23	5.23	2.9 3.0	3.0		3.8 4.0	3.9				
25-Jul-22	CS1	Sunny	Moderate	10:08	1.0	1.0	31.0 30.9	31.0	28.0 28.0	28.0	8.5 8.5	8.5	123.4 125.5	124.5	7.88 8.02	7.95	7.00	2.2 2.4	2.3	2.5	3.7 3.8	3.8	3.1	SW	15	No any influencing factor was observed during monitoring.
					16.2	16.2	24.7 24.9	24.8	37.5 37.2	37.4	7.7 7.8	7.7	88.8 89.1	89.0	6.04 6.06	6.05		2.4 2.3	2.4		2.6 2.8	2.7				
					31.5	31.5	23.5 23.4	23.5	38.6 38.6	38.6	7.8 7.7	7.8	85.0 84.2	84.6	5.80 5.72	5.76	5.76	2.8 2.6	2.7		2.4 3.2	2.8				
27-Jul-22	CS1	Sunny	Moderate	11:27	1.0	1.0	29.3 29.3	29.3	29.1 29.1	29.1	8.4 8.4	8.4	121.0 122.1	121.6	7.84 7.91	7.88	6.66	2.2 2.4	2.3	2.5	5.1 4.7	4.9	4.2	SW	14	No any influencing factor was observed during monitoring.
					16.2	16.2	25.4 25.3	25.4	35.2 35.4	35.3	7.8 7.8	7.8	81.6 82.6	82.1	5.45 5.43	5.44		2.5 2.4	2.5		4.4 4.1	4.3				
					31.3	31.3	24.2 24.7	24.5	38.1 37.3	37.7	7.7 7.7	7.7	77.0 76.5	76.8	5.15 5.22	5.19	5.19	2.8 2.8	2.8		3.7 3.4	3.6				
29-Jul-22	CS1	Sunny	Moderate	11:35	1.0	1.0	29.1 29.0	29.0	30.1 30.2	30.2	8.2 8.2	8.2	123.1 120.9	122.0	8.00 7.87	7.94	6.86	2.2 2.4	2.3	2.8	2.6 2.8	2.7	3.3	SW	18	No any influencing factor was observed during monitoring.
					16.2	16.2	25.5 25.5	25.5	34.8 34.7	34.7	7.7 7.7	7.7	87.7 84.0	85.9	5.91 5.67	5.79		2.8 2.9	2.9		3.3 3.0	3.2				
					31.3	31.3	24.9 24.9	24.9	36.0 36.1	36.0	7.7 7.7	7.7	81.0 82.6	81.8	5.31 5.45	5.38	5.38	3.1 3.3	3.2		4.1 3.8	4.0				

*Depth Average

**Wind data extract from Waglan Island Weather Station of Hong Kong Observatory.

Mid-Flood Tide - CS1

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Wind**		Remark
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Direction	Speed (km/h)	
4-Jul-22	CS1	Cloudy	Rough	7:26	1.0	1.0	26.6 26.6	26.6	30.8 30.8	30.8	8.0 8.0	8.0	85.2 87.0	86.1	5.76 5.87	5.82	5.77	3.4 3.3	3.4	3.4	4.4 4.3	4.4	3.9	S	58	No any influencing factor was observed during monitoring.
					16.5	16.5	26.6 26.6	26.6	32.1 33.1	32.6	8.1 8.1	8.1	86.3 84.9	85.6	5.71 5.74	5.73		3.4 3.5	3.5		4.1 3.8	4.0				
					32.1	32.1	26.6 26.7	26.6	34.5 34.0	34.3	8.1 8.1	8.1	81.7 83.0	82.4	5.44 5.56	5.50	5.50	3.5 3.4	3.5		3.2 3.6	3.4				
6-Jul-22	CS1	Cloudy	Moderate	9:29	1.0	1.0	27.4 27.3	27.3	21.7 23.2	22.5	8.0 7.9	7.9	86.9 86.0	86.5	6.09 5.98	6.04	5.73	1.8 1.9	1.9	2.1	1.4 1.2	1.3	1.8	SW	28	No any influencing factor was observed during monitoring.
					15.6	15.6	26.8 26.7	26.7	27.7 31.8	29.7	8.0 8.0	8.0	79.1 80.9	80.0	5.42 5.42	5.42		2.1 2.0	2.1		1.6 1.9	1.8				
					30.2	30.2	26.7 26.7	26.7	36.5 36.0	36.3	8.0 8.0	8.0	80.5 80.8	80.7	5.25 5.29	5.27	5.27	2.3 2.4	2.4		2.5 2.2	2.4				
8-Jul-22	CS1	Sunny	Moderate	12:30	1.0	1.0	29.9 30.0	29.9	22.3 22.2	22.3	8.1 8.1	8.1	88.6 90.0	89.3	6.00 5.98	5.99	5.90	3.5 3.5	3.5	3.5	2.4 2.2	2.3	2.8	E	15	No any influencing factor was observed during monitoring.
					16.0	16.0	26.1 26.0	26.0	36.3 37.3	36.8	8.1 8.1	8.1	87.4 85.9	86.7	5.92 5.71	5.82		3.5 3.6	3.6		2.4 3.1	2.8				
					31.1	31.1	25.7 25.7	25.7	36.8 37.5	37.2	8.1 8.1	8.1	85.7 84.9	85.3	5.71 5.65	5.68	5.68	3.5 3.5	3.5		3.6 3.1	3.4				
11-Jul-22	CS1	Sunny	Moderate	16:53	1.0	1.0	29.9 29.9	29.9	22.7 22.7	22.7	8.1 8.1	8.1	108.9 111.2	110.1	7.19 7.35	7.27	6.76	2.8 2.9	2.9	2.8	2.4 2.6	2.5	2.9	SE	6	No any influencing factor was observed during monitoring.
					16.3	16.3	25.1 26.1	25.6	37.9 35.6	36.8	7.9 7.9	7.9	92.6 94.9	93.8	6.22 6.27	6.25		2.8 2.7	2.8		2.7 2.9	2.8				
					31.5	31.5	25.2 25.2	25.2	37.9 37.7	37.8	7.9 7.9	7.9	83.7 84.8	84.3	5.56 5.62	5.59	5.59	2.9 2.8	2.9		3.5 3.3	3.4				
13-Jul-22	CS1	Fine	Moderate	18:34	1.0	1.0	29.9 30.0	29.9	23.0 22.8	22.9	8.5 8.5	8.5	123.4 120.4	121.9	8.24 8.04	8.14	7.09	2.3 2.1	2.2	2.4	2.4 2.2	2.3	3.0	SE	14	No any influencing factor was observed during monitoring.
					15.8	15.8	26.1 26.7	26.4	35.4 33.7	34.6	7.9 8.0	7.9	91.8 90.2	91.0	6.08 5.98	6.03		2.3 2.6	2.5		3.0 2.7	2.9				
					30.6	30.6	26.1 26.1	26.1	35.7 35.4	35.6	7.9 7.9	7.9	78.9 79.5	79.2	5.24 5.37	5.31	5.31	2.5 2.4	2.5		4.1 3.7	3.9				
15-Jul-22	CS1	Fine	Moderate	5:45	1.0	1.0	28.9 28.7	28.8	26.9 27.2	27.1	8.3 8.3	8.3	100.9 102.0	101.5	6.70 6.78	6.74	6.17	2.4 2.5	2.5	2.5	3.2 3.0	3.1	4.1	SW	13	No any influencing factor was observed during monitoring.
					16.0	16.0	25.0 25.1	25.0	37.4 36.8	37.1	7.8 7.9	7.9	82.0 85.7	83.9	5.48 5.73	5.61		2.5 2.6	2.6		3.5 3.9	3.7				
					31.0	31.0	25.0 24.9	24.9	37.5 37.7	37.6	7.9 7.9	7.9	65.9 67.6	66.8	4.41 4.52	4.47	4.47	2.5 2.6	2.6		5.8 5.4	5.6				
18-Jul-22	CS1	Sunny	Moderate	8:41	1.0	1.0	28.6 28.6	28.6	27.0 27.1	27.1	8.1 8.1	8.1	88.6 90.1	89.4	5.91 6.01	5.96	5.74	2.4 2.4	2.4	2.4	2.8 3.0	2.9	2.6	SW	29	No any influencing factor was observed during monitoring.
					15.9	15.9	25.9 26.3	26.1	34.5 33.5	34.0	7.9 7.9	7.9	83.8 81.1	82.5	5.63 5.42	5.53		2.3 2.4	2.4		2.6 2.4	2.5				
					30.8	30.8	25.3 24.7	25.0	36.6 37.7	37.1	7.9 7.9	7.9	74.4 78.6	76.5	4.96 5.27	5.12	5.12	2.5 2.3	2.4		2.3 2.4	2.4				
20-Jul-22	CS1	Sunny	Moderate	10:45	1.0	1.0	29.8 29.7	29.8	25.8 25.9	25.9	8.5 8.5	8.5	120.5 119.5	120.0	7.94 7.88	7.91	7.08	2.0 2.0	2.0	2.2	4.7 4.9	4.8	4.2	SE	22	No any influencing factor was observed during monitoring.
					15.8	15.8	26.5 25.7	26.1	33.2 36.1	34.6	7.9 7.8	7.8	93.6 92.2	92.9	6.29 6.20	6.25		2.0 2.1	2.1		4.1 4.3	4.2				
					30.6	30.6	24.5 24.3	24.4	37.8 38.4	38.1	7.8 7.8	7.8	74.0 75.7	74.9	4.92 5.06	4.99	4.99	2.5 2.7	2.6		3.8 3.4	3.6				
22-Jul-22	CS1	Sunny	Moderate	13:42	1.0	1.0	29.1 29.2	29.1	28.9 28.7	28.8	8.4 8.4	8.4	117.3 120.4	118.9	7.68 7.88	7.78	6.96	2.4 2.4	2.4	2.6	3.0 3.3	3.2	3.7	SW	15	No any influencing factor was observed during monitoring.
					16.8	16.8	25.1 25.0	25.0	36.9 36.7	36.8	7.8 7.8	7.8	91.3 88.9	90.1	6.18 6.09	6.14		2.5 2.4	2.5		3.5 3.8	3.7				
					32.7	32.7	22.9 23.0	23.0	38.8 38.9	38.8	7.8 7.8	7.8	80.2 80.9	80.6	5.45 5.49	5.47	5.47	2.9 3.0	3.0		4.1 4.4	4.3				
25-Jul-22	CS1	Fine	Moderate	22:28	1.0	1.0	31.8 31.7	31.7	27.7 27.7	27.7	8.5 8.5	8.5	104.8 102.7	103.8	6.63 6.49	6.56	6.26	3.0 3.1	3.1	3.1	2.6 3.6	3.1	2.5	S	15	No any influencing factor was observed during monitoring.
					16.0	16.0	26.2 25.9	26.0	35.0 35.6	35.3	7.9 7.8	7.9	88.9 87.4	88.2	6.03 5.88	5.96		2.9 3.1	3.0		2.1 2.2	2.2				
					31.0	31.0	23.6 23.6	23.6	38.5 38.5	38.5	7.8 7.8	7.8	78.6 74.7	76.7	5.35 5.08	5.22	5.22	3.0 3.3	3.2		2.4 2.2	2.3				
27-Jul-22	CS1	Fine	Moderate	18:55	1.0	1.0	29.1 29.1	29.1	28.6 28.5	28.6	8.3 8.3	8.3	120.6 119.8	120.2	7.91 7.86	7.89	6.75	2.2 2.4	2.3	2.5	4.8 5.1	5.0	4.4	SW	19	No any influencing factor was observed during monitoring.
					15.9	15.9	24.2 24.5	24.4	37.4 36.9	37.1	7.7 7.7	7.7	84.0 85.0	84.5	5.57 5.65	5.61		2.5 2.6	2.6		4.5 4.3	4.4				
					30.7	30.7	23.9 23.8	23.8	38.0 38.1	38.1	7.7 7.7	7.7	77.1 78.4	77.8	5.27 5.34	5.31	5.31	2.8 2.6	2.7		3.8 4.0	3.9				
29-Jul-22	CS1	Fine	Moderate	19:40	1.0	1.0	28.8 28.8	28.8	29.8 29.8	29.8	8.3 8.3	8.3	122.7 125.1	123.9	8.03 8.19	8.11	6.87	2.3 2.3	2.3	2.5	3.4 3.7	3.6	4.4	SW	18	No any influencing factor was observed during monitoring.
					16.4	16.4	25.3 25.4	25.4	34.8 34.6	34.7	7.7 7.7	7.7	85.5 83.9	84.7	5.62 5.64	5.63		2.5 2.4	2.5		4.2 4.6	4.4				
					31.8	31.8	25.2 25.3	25.3	35.6 35.2	35.4	7.7 7.7	7.7	79.2 77.0	78.1	5.23 5.19	5.21	5.21	2.7 2.6	2.7		5.0 5.4	5.2				

*Depth Average

**Wind data extract from Waglan Island Weather Station of Hong Kong Observatory.

APPENDIX D
LABORATORY RESULT

CERTIFICATE OF ANALYSIS

Client	: AECOM ASIA COMPANY LIMITED	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 6		
Contact	: MR Y W FUNG	Contact	: Richard Fung	Work Order	: HK2223585		
Address	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Kwai Tsing Hong Kong				
E-mail	: yw.fung@aecom.com	E-mail	: richard.fung@alsglobal.com				
Telephone	: +852 3105 8544	Telephone	: +852 2610 1044				
Facsimile	: —-	Facsimile	: +852 2610 2021				
Project	: ASIA DIRECT CABLE SYSTEM - HONG KONG SEGMENT (ADC-HK) - CHUNG HOM KOK			Date received	: 04-Jul-2022		
Order number	: 60685660	Quote number	: HKE/1617/2022	Date of issue	: 12-Jul-2022		
C-O-C number	: —			No. of samples	- Received	:	72
Site	: —				- Analysed	:	72

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

Signatory	Position	Authorised results for:
Fung Lim Chee, Richard	Managing Director	Inorganics, Kwai Tsing

General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 04-Jul-2022 to 11-Jul-2022.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2223585 :

Sample(s) was/ were picked up from client by ALS staff. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

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

Analytical Results

Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID		EA/ED: Physical and Aggregate Properties	---	---	---	---
C3/S/ Mid-Ebb	04-Jul-2022	HK2223585-001		5.8	---	---	---	---
C3/S/ Mid-Ebb	04-Jul-2022	HK2223585-002		5.4	---	---	---	---
C3/M/ Mid-Ebb	04-Jul-2022	HK2223585-003		5.0	---	---	---	---
C3/M/ Mid-Ebb	04-Jul-2022	HK2223585-004		4.8	---	---	---	---
C3/B/ Mid-Ebb	04-Jul-2022	HK2223585-005		4.2	---	---	---	---
C3/B/ Mid-Ebb	04-Jul-2022	HK2223585-006		4.5	---	---	---	---
C6/C7/S/ Mid-Ebb	04-Jul-2022	HK2223585-007		5.2	---	---	---	---
C6/C7/S/ Mid-Ebb	04-Jul-2022	HK2223585-008		5.0	---	---	---	---
C6/C7/M/ Mid-Ebb	04-Jul-2022	HK2223585-009		5.4	---	---	---	---
C6/C7/M/ Mid-Ebb	04-Jul-2022	HK2223585-010		5.7	---	---	---	---
C6/C7/B/ Mid-Ebb	04-Jul-2022	HK2223585-011		6.2	---	---	---	---
C6/C7/B/ Mid-Ebb	04-Jul-2022	HK2223585-012		5.9	---	---	---	---
C8/S/ Mid-Ebb	04-Jul-2022	HK2223585-013		4.9	---	---	---	---
C8/S/ Mid-Ebb	04-Jul-2022	HK2223585-014		5.1	---	---	---	---
C8/M/ Mid-Ebb	04-Jul-2022	HK2223585-015		4.6	---	---	---	---
C8/M/ Mid-Ebb	04-Jul-2022	HK2223585-016		4.6	---	---	---	---
C8/B/ Mid-Ebb	04-Jul-2022	HK2223585-017		4.4	---	---	---	---
C8/B/ Mid-Ebb	04-Jul-2022	HK2223585-018		4.1	---	---	---	---
F1/S/ Mid-Ebb	04-Jul-2022	HK2223585-019		7.3	---	---	---	---
F1/S/ Mid-Ebb	04-Jul-2022	HK2223585-020		6.9	---	---	---	---
F1/M/ Mid-Ebb	04-Jul-2022	HK2223585-021		6.2	---	---	---	---
F1/M/ Mid-Ebb	04-Jul-2022	HK2223585-022		5.8	---	---	---	---
F1/B/ Mid-Ebb	04-Jul-2022	HK2223585-023		5.1	---	---	---	---
F1/B/ Mid-Ebb	04-Jul-2022	HK2223585-024		5.5	---	---	---	---
F2/S/ Mid-Ebb	04-Jul-2022	HK2223585-025		4.3	---	---	---	---
F2/S/ Mid-Ebb	04-Jul-2022	HK2223585-026		4.0	---	---	---	---
F2/M/ Mid-Ebb	04-Jul-2022	HK2223585-027		4.8	---	---	---	---
F2/M/ Mid-Ebb	04-Jul-2022	HK2223585-028		4.6	---	---	---	---
F2/B/ Mid-Ebb	04-Jul-2022	HK2223585-029		5.5	---	---	---	---
F2/B/ Mid-Ebb	04-Jul-2022	HK2223585-030		5.2	---	---	---	---
CS1/S/ Mid-Ebb	04-Jul-2022	HK2223585-031		4.5	---	---	---	---

Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID		EA/ED: Physical and Aggregate Properties	---	---	---	---
CS1/S/ Mid-Ebb	04-Jul-2022	HK2223585-032		4.9	---	---	---	---
CS1/M/ Mid-Ebb	04-Jul-2022	HK2223585-033		3.8	---	---	---	---
CS1/M/ Mid-Ebb	04-Jul-2022	HK2223585-034		4.1	---	---	---	---
CS1/B/ Mid-Ebb	04-Jul-2022	HK2223585-035		3.7	---	---	---	---
CS1/B/ Mid-Ebb	04-Jul-2022	HK2223585-036		3.6	---	---	---	---
C3/S/ Mid-Flood	04-Jul-2022	HK2223585-037		3.8	---	---	---	---
C3/S/ Mid-Flood	04-Jul-2022	HK2223585-038		3.4	---	---	---	---
C3/M/ Mid-Flood	04-Jul-2022	HK2223585-039		4.1	---	---	---	---
C3/M/ Mid-Flood	04-Jul-2022	HK2223585-040		4.0	---	---	---	---
C3/B/ Mid-Flood	04-Jul-2022	HK2223585-041		4.5	---	---	---	---
C3/B/ Mid-Flood	04-Jul-2022	HK2223585-042		4.8	---	---	---	---
C6/C7/S/ Mid-Flood	04-Jul-2022	HK2223585-043		3.0	---	---	---	---
C6/C7/S/ Mid-Flood	04-Jul-2022	HK2223585-044		2.8	---	---	---	---
C6/C7/M/ Mid-Flood	04-Jul-2022	HK2223585-045		3.3	---	---	---	---
C6/C7/M/ Mid-Flood	04-Jul-2022	HK2223585-046		3.1	---	---	---	---
C6/C7/B/ Mid-Flood	04-Jul-2022	HK2223585-047		3.5	---	---	---	---
C6/C7/B/ Mid-Flood	04-Jul-2022	HK2223585-048		3.7	---	---	---	---
C8/S/ Mid-Flood	04-Jul-2022	HK2223585-049		5.4	---	---	---	---
C8/S/ Mid-Flood	04-Jul-2022	HK2223585-050		5.7	---	---	---	---
C8/M/ Mid-Flood	04-Jul-2022	HK2223585-051		4.7	---	---	---	---
C8/M/ Mid-Flood	04-Jul-2022	HK2223585-052		4.3	---	---	---	---
C8/B/ Mid-Flood	04-Jul-2022	HK2223585-053		3.6	---	---	---	---
C8/B/ Mid-Flood	04-Jul-2022	HK2223585-054		3.3	---	---	---	---
F1/S/ Mid-Flood	04-Jul-2022	HK2223585-055		3.4	---	---	---	---
F1/S/ Mid-Flood	04-Jul-2022	HK2223585-056		3.1	---	---	---	---
F1/M/ Mid-Flood	04-Jul-2022	HK2223585-057		4.2	---	---	---	---
F1/M/ Mid-Flood	04-Jul-2022	HK2223585-058		4.3	---	---	---	---
F1/B/ Mid-Flood	04-Jul-2022	HK2223585-059		4.7	---	---	---	---
F1/B/ Mid-Flood	04-Jul-2022	HK2223585-060		4.9	---	---	---	---
F2/S/ Mid-Flood	04-Jul-2022	HK2223585-061		3.7	---	---	---	---
F2/S/ Mid-Flood	04-Jul-2022	HK2223585-062		3.4	---	---	---	---
F2/M/ Mid-Flood	04-Jul-2022	HK2223585-063		3.1	---	---	---	---
F2/M/ Mid-Flood	04-Jul-2022	HK2223585-064		2.8	---	---	---	---

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)	---	---	---	---
	LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
F2/B/ Mid-Flood	04-Jul-2022	HK2223585-065	2.4	---	---	---	---
F2/B/ Mid-Flood	04-Jul-2022	HK2223585-066	2.7	---	---	---	---
CS1/S/ Mid-Flood	04-Jul-2022	HK2223585-067	4.4	---	---	---	---
CS1/S/ Mid-Flood	04-Jul-2022	HK2223585-068	4.3	---	---	---	---
CS1/M/ Mid-Flood	04-Jul-2022	HK2223585-069	4.1	---	---	---	---
CS1/M/ Mid-Flood	04-Jul-2022	HK2223585-070	3.8	---	---	---	---
CS1/B/ Mid-Flood	04-Jul-2022	HK2223585-071	3.2	---	---	---	---
CS1/B/ Mid-Flood	04-Jul-2022	HK2223585-072	3.6	---	---	---	---

Laboratory Duplicate (DUP) Report

Matrix: WATER

				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4441093)								
HK2223585-001	C3/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	5.8	5.6	4.0
HK2223585-011	C6/C7/B/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	6.2	6.5	5.5
EA/ED: Physical and Aggregate Properties (QC Lot: 4441094)								
HK2223585-021	F1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	6.2	6.6	6.2
HK2223585-031	CS1/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.5	4.7	4.3
EA/ED: Physical and Aggregate Properties (QC Lot: 4441095)								
HK2223585-041	C3/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.5	4.2	5.2
HK2223585-051	C8/M/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.7	4.4	5.5
EA/ED: Physical and Aggregate Properties (QC Lot: 4441096)								
HK2223585-061	F2/S/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.7	4.0	9.1
HK2223585-071	CS1/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.2	3.4	3.8

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER

		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 4441093)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	93.5	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4441094)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	102	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4441095)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	98.0	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4441096)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	106	---	85.1	117	---	---

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: AECOM ASIA COMPANY LIMITED	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 6		
Contact	: MR Y W FUNG	Contact	: Richard Fung	Work Order	: HK2224724		
Address	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Kwai Tsing Hong Kong				
E-mail	: yw.fung@aecom.com	E-mail	: richard.fung@alsglobal.com				
Telephone	: +852 3105 8544	Telephone	: +852 2610 1044				
Facsimile	: —-	Facsimile	: +852 2610 2021				
Project	: ASIA DIRECT CABLE SYSTEM - HONG KONG SEGMENT (ADC-HK) - CHUNG HOM KOK			Date received	: 06-Jul-2022		
Order number	: 60685660	Quote number	: HKE/1617/2022	Date of issue	: 13-Jul-2022		
C-O-C number	: —			No. of samples	- Received	:	72
Site	: —				- Analysed	:	72

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

Signatory	Position	Authorised results for:
Fung Lim Chee, Richard	Managing Director	Inorganics, Kwai Tsing

General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 06-Jul-2022 to 13-Jul-2022.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2224724 :

Sample(s) was/ were picked up from client by ALS staff. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

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

Analytical Results

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
C3/S/ Mid-Ebb	06-Jul-2022	HK2224724-001	2.9	---	---	---	---
C3/S/ Mid-Ebb	06-Jul-2022	HK2224724-002	2.5	---	---	---	---
C3/M/ Mid-Ebb	06-Jul-2022	HK2224724-003	2.3	---	---	---	---
C3/M/ Mid-Ebb	06-Jul-2022	HK2224724-004	2.1	---	---	---	---
C3/B/ Mid-Ebb	06-Jul-2022	HK2224724-005	1.9	---	---	---	---
C3/B/ Mid-Ebb	06-Jul-2022	HK2224724-006	1.7	---	---	---	---
C6/C7/S/ Mid-Ebb	06-Jul-2022	HK2224724-007	2.1	---	---	---	---
C6/C7/S/ Mid-Ebb	06-Jul-2022	HK2224724-008	2.2	---	---	---	---
C6/C7/M/ Mid-Ebb	06-Jul-2022	HK2224724-009	2.5	---	---	---	---
C6/C7/M/ Mid-Ebb	06-Jul-2022	HK2224724-010	2.8	---	---	---	---
C6/C7/B/ Mid-Ebb	06-Jul-2022	HK2224724-011	3.5	---	---	---	---
C6/C7/B/ Mid-Ebb	06-Jul-2022	HK2224724-012	3.7	---	---	---	---
C8/S/ Mid-Ebb	06-Jul-2022	HK2224724-013	2.2	---	---	---	---
C8/S/ Mid-Ebb	06-Jul-2022	HK2224724-014	2.2	---	---	---	---
C8/M/ Mid-Ebb	06-Jul-2022	HK2224724-015	2.5	---	---	---	---
C8/M/ Mid-Ebb	06-Jul-2022	HK2224724-016	2.3	---	---	---	---
C8/B/ Mid-Ebb	06-Jul-2022	HK2224724-017	2.7	---	---	---	---
C8/B/ Mid-Ebb	06-Jul-2022	HK2224724-018	2.6	---	---	---	---
F1/S/ Mid-Ebb	06-Jul-2022	HK2224724-019	1.9	---	---	---	---
F1/S/ Mid-Ebb	06-Jul-2022	HK2224724-020	1.8	---	---	---	---
F1/M/ Mid-Ebb	06-Jul-2022	HK2224724-021	2.2	---	---	---	---
F1/M/ Mid-Ebb	06-Jul-2022	HK2224724-022	2.4	---	---	---	---
F1/B/ Mid-Ebb	06-Jul-2022	HK2224724-023	2.5	---	---	---	---
F1/B/ Mid-Ebb	06-Jul-2022	HK2224724-024	2.8	---	---	---	---
F2/S/ Mid-Ebb	06-Jul-2022	HK2224724-025	2.2	---	---	---	---
F2/S/ Mid-Ebb	06-Jul-2022	HK2224724-026	2.2	---	---	---	---
F2/M/ Mid-Ebb	06-Jul-2022	HK2224724-027	2.7	---	---	---	---
F2/M/ Mid-Ebb	06-Jul-2022	HK2224724-028	2.5	---	---	---	---
F2/B/ Mid-Ebb	06-Jul-2022	HK2224724-029	2.9	---	---	---	---
F2/B/ Mid-Ebb	06-Jul-2022	HK2224724-030	3.1	---	---	---	---
CS1/S/ Mid-Ebb	06-Jul-2022	HK2224724-031	2.2	---	---	---	---

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
CS1/S/ Mid-Ebb	06-Jul-2022	HK2224724-032	2.1	---	---	---	---
CS1/M/ Mid-Ebb	06-Jul-2022	HK2224724-033	1.9	---	---	---	---
CS1/M/ Mid-Ebb	06-Jul-2022	HK2224724-034	1.7	---	---	---	---
CS1/B/ Mid-Ebb	06-Jul-2022	HK2224724-035	1.4	---	---	---	---
CS1/B/ Mid-Ebb	06-Jul-2022	HK2224724-036	1.5	---	---	---	---
C3/S/ Mid-Flood	06-Jul-2022	HK2224724-037	1.9	---	---	---	---
C3/S/ Mid-Flood	06-Jul-2022	HK2224724-038	1.7	---	---	---	---
C3/M/ Mid-Flood	06-Jul-2022	HK2224724-039	2.6	---	---	---	---
C3/M/ Mid-Flood	06-Jul-2022	HK2224724-040	2.2	---	---	---	---
C3/B/ Mid-Flood	06-Jul-2022	HK2224724-041	3.1	---	---	---	---
C3/B/ Mid-Flood	06-Jul-2022	HK2224724-042	2.8	---	---	---	---
C6/C7/S/ Mid-Flood	06-Jul-2022	HK2224724-043	1.6	---	---	---	---
C6/C7/S/ Mid-Flood	06-Jul-2022	HK2224724-044	1.8	---	---	---	---
C6/C7/M/ Mid-Flood	06-Jul-2022	HK2224724-045	2.0	---	---	---	---
C6/C7/M/ Mid-Flood	06-Jul-2022	HK2224724-046	2.3	---	---	---	---
C6/C7/B/ Mid-Flood	06-Jul-2022	HK2224724-047	2.6	---	---	---	---
C6/C7/B/ Mid-Flood	06-Jul-2022	HK2224724-048	2.8	---	---	---	---
C8/S/ Mid-Flood	06-Jul-2022	HK2224724-049	1.8	---	---	---	---
C8/S/ Mid-Flood	06-Jul-2022	HK2224724-050	1.7	---	---	---	---
C8/M/ Mid-Flood	06-Jul-2022	HK2224724-051	2.2	---	---	---	---
C8/M/ Mid-Flood	06-Jul-2022	HK2224724-052	2.1	---	---	---	---
C8/B/ Mid-Flood	06-Jul-2022	HK2224724-053	2.5	---	---	---	---
C8/B/ Mid-Flood	06-Jul-2022	HK2224724-054	2.4	---	---	---	---
F1/S/ Mid-Flood	06-Jul-2022	HK2224724-055	3.0	---	---	---	---
F1/S/ Mid-Flood	06-Jul-2022	HK2224724-056	2.7	---	---	---	---
F1/M/ Mid-Flood	06-Jul-2022	HK2224724-057	2.4	---	---	---	---
F1/M/ Mid-Flood	06-Jul-2022	HK2224724-058	2.1	---	---	---	---
F1/B/ Mid-Flood	06-Jul-2022	HK2224724-059	1.8	---	---	---	---
F1/B/ Mid-Flood	06-Jul-2022	HK2224724-060	1.5	---	---	---	---
F2/S/ Mid-Flood	06-Jul-2022	HK2224724-061	2.6	---	---	---	---
F2/S/ Mid-Flood	06-Jul-2022	HK2224724-062	2.9	---	---	---	---
F2/M/ Mid-Flood	06-Jul-2022	HK2224724-063	2.4	---	---	---	---
F2/M/ Mid-Flood	06-Jul-2022	HK2224724-064	2.2	---	---	---	---

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)	---	---	---	---
	LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
F2/B/ Mid-Flood	06-Jul-2022	HK2224724-065	1.5	---	---	---	---
F2/B/ Mid-Flood	06-Jul-2022	HK2224724-066	1.4	---	---	---	---
CS1/S/ Mid-Flood	06-Jul-2022	HK2224724-067	1.4	---	---	---	---
CS1/S/ Mid-Flood	06-Jul-2022	HK2224724-068	1.2	---	---	---	---
CS1/M/ Mid-Flood	06-Jul-2022	HK2224724-069	1.6	---	---	---	---
CS1/M/ Mid-Flood	06-Jul-2022	HK2224724-070	1.9	---	---	---	---
CS1/B/ Mid-Flood	06-Jul-2022	HK2224724-071	2.5	---	---	---	---
CS1/B/ Mid-Flood	06-Jul-2022	HK2224724-072	2.2	---	---	---	---

Laboratory Duplicate (DUP) Report

Matrix: WATER

				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4446051)								
HK2224724-001	C3/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.9	2.6	9.0
HK2224724-011	C6/C7/B/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.5	3.3	5.8
EA/ED: Physical and Aggregate Properties (QC Lot: 4446052)								
HK2224724-021	F1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.2	2.1	0.0
HK2224724-031	CS1/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.2	2.3	5.6
EA/ED: Physical and Aggregate Properties (QC Lot: 4446053)								
HK2224724-041	C3/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.1	3.4	10.0
HK2224724-051	C8/M/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.2	2.4	8.8
EA/ED: Physical and Aggregate Properties (QC Lot: 4446054)								
HK2224724-061	F2/S/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.6	2.4	9.9
HK2224724-071	CS1/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.5	2.4	4.1

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER

		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 4446051)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	102	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4446052)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	106	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4446053)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	103	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4446054)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	97.0	---	85.1	117	---	---

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: AECOM ASIA COMPANY LIMITED	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 6		
Contact	: MR Y W FUNG	Contact	: Richard Fung	Work Order	: HK2224725		
Address	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Kwai Tsing Hong Kong				
E-mail	: yw.fung@aecom.com	E-mail	: richard.fung@alsglobal.com				
Telephone	: +852 3105 8544	Telephone	: +852 2610 1044				
Facsimile	: —-	Facsimile	: +852 2610 2021				
Project	: ASIA DIRECT CABLE SYSTEM - HONG KONG SEGMENT (ADC-HK) - CHUNG HOM KOK			Date received	: 08-Jul-2022		
Order number	: 60685660	Quote number	: HKE/1617/2022	Date of issue	: 19-Jul-2022		
C-O-C number	: —			No. of samples	- Received	:	72
Site	: —				- Analysed	:	72

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

Signatory	Position	Authorised results for:
Fung Lim Chee, Richard	Managing Director	Inorganics, Kwai Tsing

General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 08-Jul-2022 to 19-Jul-2022.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2224725 :

Sample(s) was/ were picked up from client by ALS staff. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

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

Analytical Results

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
C3/S/ Mid-Ebb	08-Jul-2022	HK2224725-001	2.2	---	---	---	---
C3/S/ Mid-Ebb	08-Jul-2022	HK2224725-002	2.2	---	---	---	---
C3/M/ Mid-Ebb	08-Jul-2022	HK2224725-003	3.2	---	---	---	---
C3/M/ Mid-Ebb	08-Jul-2022	HK2224725-004	3.2	---	---	---	---
C3/B/ Mid-Ebb	08-Jul-2022	HK2224725-005	2.5	---	---	---	---
C3/B/ Mid-Ebb	08-Jul-2022	HK2224725-006	3.2	---	---	---	---
C6/C7/S/ Mid-Ebb	08-Jul-2022	HK2224725-007	2.5	---	---	---	---
C6/C7/S/ Mid-Ebb	08-Jul-2022	HK2224725-008	2.8	---	---	---	---
C6/C7/M/ Mid-Ebb	08-Jul-2022	HK2224725-009	3.3	---	---	---	---
C6/C7/M/ Mid-Ebb	08-Jul-2022	HK2224725-010	3.0	---	---	---	---
C6/C7/B/ Mid-Ebb	08-Jul-2022	HK2224725-011	3.8	---	---	---	---
C6/C7/B/ Mid-Ebb	08-Jul-2022	HK2224725-012	2.8	---	---	---	---
C8/S/ Mid-Ebb	08-Jul-2022	HK2224725-013	2.4	---	---	---	---
C8/S/ Mid-Ebb	08-Jul-2022	HK2224725-014	3.3	---	---	---	---
C8/M/ Mid-Ebb	08-Jul-2022	HK2224725-015	2.8	---	---	---	---
C8/M/ Mid-Ebb	08-Jul-2022	HK2224725-016	3.5	---	---	---	---
C8/B/ Mid-Ebb	08-Jul-2022	HK2224725-017	3.0	---	---	---	---
C8/B/ Mid-Ebb	08-Jul-2022	HK2224725-018	2.6	---	---	---	---
F1/S/ Mid-Ebb	08-Jul-2022	HK2224725-019	3.4	---	---	---	---
F1/S/ Mid-Ebb	08-Jul-2022	HK2224725-020	2.8	---	---	---	---
F1/M/ Mid-Ebb	08-Jul-2022	HK2224725-021	3.8	---	---	---	---
F1/M/ Mid-Ebb	08-Jul-2022	HK2224725-022	2.2	---	---	---	---
F1/B/ Mid-Ebb	08-Jul-2022	HK2224725-023	2.4	---	---	---	---
F1/B/ Mid-Ebb	08-Jul-2022	HK2224725-024	2.2	---	---	---	---
F2/S/ Mid-Ebb	08-Jul-2022	HK2224725-025	3.5	---	---	---	---
F2/S/ Mid-Ebb	08-Jul-2022	HK2224725-026	4.0	---	---	---	---
F2/M/ Mid-Ebb	08-Jul-2022	HK2224725-027	2.4	---	---	---	---
F2/M/ Mid-Ebb	08-Jul-2022	HK2224725-028	2.8	---	---	---	---
F2/B/ Mid-Ebb	08-Jul-2022	HK2224725-029	3.6	---	---	---	---
F2/B/ Mid-Ebb	08-Jul-2022	HK2224725-030	3.5	---	---	---	---
CS1/S/ Mid-Ebb	08-Jul-2022	HK2224725-031	2.8	---	---	---	---

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
CS1/S/ Mid-Ebb	08-Jul-2022	HK2224725-032	2.2	---	---	---	---
CS1/M/ Mid-Ebb	08-Jul-2022	HK2224725-033	3.3	---	---	---	---
CS1/M/ Mid-Ebb	08-Jul-2022	HK2224725-034	2.2	---	---	---	---
CS1/B/ Mid-Ebb	08-Jul-2022	HK2224725-035	2.0	---	---	---	---
CS1/B/ Mid-Ebb	08-Jul-2022	HK2224725-036	2.8	---	---	---	---
C3/S/ Mid-Flood	08-Jul-2022	HK2224725-037	2.3	---	---	---	---
C3/S/ Mid-Flood	08-Jul-2022	HK2224725-038	3.7	---	---	---	---
C3/M/ Mid-Flood	08-Jul-2022	HK2224725-039	2.3	---	---	---	---
C3/M/ Mid-Flood	08-Jul-2022	HK2224725-040	3.6	---	---	---	---
C3/B/ Mid-Flood	08-Jul-2022	HK2224725-041	3.5	---	---	---	---
C3/B/ Mid-Flood	08-Jul-2022	HK2224725-042	1.0	---	---	---	---
C6/C7/S/ Mid-Flood	08-Jul-2022	HK2224725-043	2.0	---	---	---	---
C6/C7/S/ Mid-Flood	08-Jul-2022	HK2224725-044	2.6	---	---	---	---
C6/C7/M/ Mid-Flood	08-Jul-2022	HK2224725-045	2.8	---	---	---	---
C6/C7/M/ Mid-Flood	08-Jul-2022	HK2224725-046	2.6	---	---	---	---
C6/C7/B/ Mid-Flood	08-Jul-2022	HK2224725-047	3.2	---	---	---	---
C6/C7/B/ Mid-Flood	08-Jul-2022	HK2224725-048	2.9	---	---	---	---
C8/S/ Mid-Flood	08-Jul-2022	HK2224725-049	4.6	---	---	---	---
C8/S/ Mid-Flood	08-Jul-2022	HK2224725-050	3.7	---	---	---	---
C8/M/ Mid-Flood	08-Jul-2022	HK2224725-051	2.6	---	---	---	---
C8/M/ Mid-Flood	08-Jul-2022	HK2224725-052	3.0	---	---	---	---
C8/B/ Mid-Flood	08-Jul-2022	HK2224725-053	2.4	---	---	---	---
C8/B/ Mid-Flood	08-Jul-2022	HK2224725-054	3.5	---	---	---	---
F1/S/ Mid-Flood	08-Jul-2022	HK2224725-055	1.9	---	---	---	---
F1/S/ Mid-Flood	08-Jul-2022	HK2224725-056	2.8	---	---	---	---
F1/M/ Mid-Flood	08-Jul-2022	HK2224725-057	2.8	---	---	---	---
F1/M/ Mid-Flood	08-Jul-2022	HK2224725-058	1.8	---	---	---	---
F1/B/ Mid-Flood	08-Jul-2022	HK2224725-059	2.5	---	---	---	---
F1/B/ Mid-Flood	08-Jul-2022	HK2224725-060	2.8	---	---	---	---
F2/S/ Mid-Flood	08-Jul-2022	HK2224725-061	2.7	---	---	---	---
F2/S/ Mid-Flood	08-Jul-2022	HK2224725-062	2.2	---	---	---	---
F2/M/ Mid-Flood	08-Jul-2022	HK2224725-063	3.4	---	---	---	---
F2/M/ Mid-Flood	08-Jul-2022	HK2224725-064	3.0	---	---	---	---

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)	---	---	---	---
	LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
F2/B/ Mid-Flood	08-Jul-2022	HK2224725-065	3.7	---	---	---	---
F2/B/ Mid-Flood	08-Jul-2022	HK2224725-066	2.5	---	---	---	---
CS1/S/ Mid-Flood	08-Jul-2022	HK2224725-067	2.4	---	---	---	---
CS1/S/ Mid-Flood	08-Jul-2022	HK2224725-068	2.2	---	---	---	---
CS1/M/ Mid-Flood	08-Jul-2022	HK2224725-069	2.4	---	---	---	---
CS1/M/ Mid-Flood	08-Jul-2022	HK2224725-070	3.1	---	---	---	---
CS1/B/ Mid-Flood	08-Jul-2022	HK2224725-071	3.6	---	---	---	---
CS1/B/ Mid-Flood	08-Jul-2022	HK2224725-072	3.1	---	---	---	---

Laboratory Duplicate (DUP) Report

Matrix: WATER

				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4451271)								
HK2224725-001	C3/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.2	2.6	17.4
HK2224725-011	C6/C7/B/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.8	3.4	11.1
EA/ED: Physical and Aggregate Properties (QC Lot: 4451272)								
HK2224725-021	F1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.8	4.2	10.0
HK2224725-031	CS1/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.8	3.8	30.7
EA/ED: Physical and Aggregate Properties (QC Lot: 4451273)								
HK2224725-041	C3/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.5	4.6	26.8
HK2224725-051	C8/M/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.6	2.9	8.1
EA/ED: Physical and Aggregate Properties (QC Lot: 4451274)								
HK2224725-061	F2/S/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.7	3.2	18.6
HK2224725-071	CS1/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.6	3.6	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER

		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 4451271)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	101	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4451272)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	91.5	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4451273)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	99.5	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4451274)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	85.5	---	85.1	117	---	---

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: AECOM ASIA COMPANY LIMITED	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 6		
Contact	: MR Y W FUNG	Contact	: Richard Fung	Work Order	: HK2225566		
Address	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Kwai Tsing Hong Kong				
E-mail	: yw.fung@aecom.com	E-mail	: richard.fung@alsglobal.com				
Telephone	: +852 3105 8544	Telephone	: +852 2610 1044				
Facsimile	: —-	Facsimile	: +852 2610 2021				
Project	: ASIA DIRECT CABLE SYSTEM - HONG KONG SEGMENT (ADC-HK) - CHUNG HOM KOK			Date received	: 11-Jul-2022		
Order number	: 60685660	Quote number	: HKE/1617/2022	Date of issue	: 20-Jul-2022		
C-O-C number	: —			No. of samples	- Received	:	72
Site	: —				- Analysed	:	72

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

Signatory	Position	Authorised results for:
Fung Lim Chee, Richard	Managing Director	Inorganics, Kwai Tsing

General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 11-Jul-2022 to 20-Jul-2022.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2225566 :

Sample(s) was/ were picked up from client by ALS staff. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

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

Analytical Results

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
C3/S/ Mid-Ebb	11-Jul-2022	HK2225566-001	2.8	---	---	---	---
C3/S/ Mid-Ebb	11-Jul-2022	HK2225566-002	3.0	---	---	---	---
C3/M/ Mid-Ebb	11-Jul-2022	HK2225566-003	2.7	---	---	---	---
C3/M/ Mid-Ebb	11-Jul-2022	HK2225566-004	2.5	---	---	---	---
C3/B/ Mid-Ebb	11-Jul-2022	HK2225566-005	2.2	---	---	---	---
C3/B/ Mid-Ebb	11-Jul-2022	HK2225566-006	2.4	---	---	---	---
C6/C7/S/ Mid-Ebb	11-Jul-2022	HK2225566-007	3.0	---	---	---	---
C6/C7/S/ Mid-Ebb	11-Jul-2022	HK2225566-008	2.5	---	---	---	---
C6/C7/M/ Mid-Ebb	11-Jul-2022	HK2225566-009	3.6	---	---	---	---
C6/C7/M/ Mid-Ebb	11-Jul-2022	HK2225566-010	3.9	---	---	---	---
C6/C7/B/ Mid-Ebb	11-Jul-2022	HK2225566-011	4.2	---	---	---	---
C6/C7/B/ Mid-Ebb	11-Jul-2022	HK2225566-012	4.4	---	---	---	---
C8/S/ Mid-Ebb	11-Jul-2022	HK2225566-013	3.8	---	---	---	---
C8/S/ Mid-Ebb	11-Jul-2022	HK2225566-014	4.1	---	---	---	---
C8/M/ Mid-Ebb	11-Jul-2022	HK2225566-015	3.7	---	---	---	---
C8/M/ Mid-Ebb	11-Jul-2022	HK2225566-016	3.4	---	---	---	---
C8/B/ Mid-Ebb	11-Jul-2022	HK2225566-017	3.0	---	---	---	---
C8/B/ Mid-Ebb	11-Jul-2022	HK2225566-018	2.8	---	---	---	---
F1/S/ Mid-Ebb	11-Jul-2022	HK2225566-019	2.6	---	---	---	---
F1/S/ Mid-Ebb	11-Jul-2022	HK2225566-020	2.9	---	---	---	---
F1/M/ Mid-Ebb	11-Jul-2022	HK2225566-021	3.2	---	---	---	---
F1/M/ Mid-Ebb	11-Jul-2022	HK2225566-022	3.0	---	---	---	---
F1/B/ Mid-Ebb	11-Jul-2022	HK2225566-023	3.4	---	---	---	---
F1/B/ Mid-Ebb	11-Jul-2022	HK2225566-024	3.6	---	---	---	---
F2/S/ Mid-Ebb	11-Jul-2022	HK2225566-025	3.2	---	---	---	---
F2/S/ Mid-Ebb	11-Jul-2022	HK2225566-026	3.2	---	---	---	---
F2/M/ Mid-Ebb	11-Jul-2022	HK2225566-027	3.1	---	---	---	---
F2/M/ Mid-Ebb	11-Jul-2022	HK2225566-028	2.8	---	---	---	---
F2/B/ Mid-Ebb	11-Jul-2022	HK2225566-029	2.5	---	---	---	---
F2/B/ Mid-Ebb	11-Jul-2022	HK2225566-030	2.6	---	---	---	---
CS1/S/ Mid-Ebb	11-Jul-2022	HK2225566-031	3.9	---	---	---	---

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
CS1/S/ Mid-Ebb	11-Jul-2022	HK2225566-032	3.5	---	---	---	---
CS1/M/ Mid-Ebb	11-Jul-2022	HK2225566-033	3.2	---	---	---	---
CS1/M/ Mid-Ebb	11-Jul-2022	HK2225566-034	2.9	---	---	---	---
CS1/B/ Mid-Ebb	11-Jul-2022	HK2225566-035	2.4	---	---	---	---
CS1/B/ Mid-Ebb	11-Jul-2022	HK2225566-036	2.6	---	---	---	---
C3/S/ Mid-Flood	11-Jul-2022	HK2225566-037	2.8	---	---	---	---
C3/S/ Mid-Flood	11-Jul-2022	HK2225566-038	3.2	---	---	---	---
C3/M/ Mid-Flood	11-Jul-2022	HK2225566-039	3.6	---	---	---	---
C3/M/ Mid-Flood	11-Jul-2022	HK2225566-040	3.4	---	---	---	---
C3/B/ Mid-Flood	11-Jul-2022	HK2225566-041	3.8	---	---	---	---
C3/B/ Mid-Flood	11-Jul-2022	HK2225566-042	4.0	---	---	---	---
C6/C7/S/ Mid-Flood	11-Jul-2022	HK2225566-043	4.3	---	---	---	---
C6/C7/S/ Mid-Flood	11-Jul-2022	HK2225566-044	4.0	---	---	---	---
C6/C7/M/ Mid-Flood	11-Jul-2022	HK2225566-045	3.6	---	---	---	---
C6/C7/M/ Mid-Flood	11-Jul-2022	HK2225566-046	3.3	---	---	---	---
C6/C7/B/ Mid-Flood	11-Jul-2022	HK2225566-047	2.6	---	---	---	---
C6/C7/B/ Mid-Flood	11-Jul-2022	HK2225566-048	3.0	---	---	---	---
C8/S/ Mid-Flood	11-Jul-2022	HK2225566-049	3.2	---	---	---	---
C8/S/ Mid-Flood	11-Jul-2022	HK2225566-050	3.6	---	---	---	---
C8/M/ Mid-Flood	11-Jul-2022	HK2225566-051	3.0	---	---	---	---
C8/M/ Mid-Flood	11-Jul-2022	HK2225566-052	2.7	---	---	---	---
C8/B/ Mid-Flood	11-Jul-2022	HK2225566-053	2.5	---	---	---	---
C8/B/ Mid-Flood	11-Jul-2022	HK2225566-054	2.2	---	---	---	---
F1/S/ Mid-Flood	11-Jul-2022	HK2225566-055	2.7	---	---	---	---
F1/S/ Mid-Flood	11-Jul-2022	HK2225566-056	2.8	---	---	---	---
F1/M/ Mid-Flood	11-Jul-2022	HK2225566-057	3.0	---	---	---	---
F1/M/ Mid-Flood	11-Jul-2022	HK2225566-058	3.1	---	---	---	---
F1/B/ Mid-Flood	11-Jul-2022	HK2225566-059	3.3	---	---	---	---
F1/B/ Mid-Flood	11-Jul-2022	HK2225566-060	3.2	---	---	---	---
F2/S/ Mid-Flood	11-Jul-2022	HK2225566-061	2.8	---	---	---	---
F2/S/ Mid-Flood	11-Jul-2022	HK2225566-062	3.2	---	---	---	---
F2/M/ Mid-Flood	11-Jul-2022	HK2225566-063	2.8	---	---	---	---
F2/M/ Mid-Flood	11-Jul-2022	HK2225566-064	2.5	---	---	---	---

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)	---	---	---	---
	LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
F2/B/ Mid-Flood	11-Jul-2022	HK2225566-065	2.4	---	---	---	---
F2/B/ Mid-Flood	11-Jul-2022	HK2225566-066	2.2	---	---	---	---
CS1/S/ Mid-Flood	11-Jul-2022	HK2225566-067	2.4	---	---	---	---
CS1/S/ Mid-Flood	11-Jul-2022	HK2225566-068	2.6	---	---	---	---
CS1/M/ Mid-Flood	11-Jul-2022	HK2225566-069	2.7	---	---	---	---
CS1/M/ Mid-Flood	11-Jul-2022	HK2225566-070	2.9	---	---	---	---
CS1/B/ Mid-Flood	11-Jul-2022	HK2225566-071	3.5	---	---	---	---
CS1/B/ Mid-Flood	11-Jul-2022	HK2225566-072	3.3	---	---	---	---

Laboratory Duplicate (DUP) Report

Matrix: WATER

				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4453685)								
HK2225566-001	C3/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.8	3.1	11.0
HK2225566-011	C6/C7/B/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.2	3.9	7.4
EA/ED: Physical and Aggregate Properties (QC Lot: 4453686)								
HK2225566-021	F1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.2	2.9	10.5
HK2225566-031	CS1/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.9	3.6	8.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4453687)								
HK2225566-041	C3/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.8	3.6	4.7
HK2225566-051	C8/M/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.0	2.8	7.7
EA/ED: Physical and Aggregate Properties (QC Lot: 4453688)								
HK2225566-061	F2/S/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.8	3.0	8.7
HK2225566-071	CS1/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.5	3.2	7.5

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER

		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 4453685)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	94.0	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4453686)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	103	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4453687)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	100	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4453688)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	106	---	85.1	117	---	---

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: AECOM ASIA COMPANY LIMITED	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 6
Contact	: MR Y W FUNG	Contact	: Richard Fung	Work Order	: HK2225567
Address	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Kwai Tsing Hong Kong		
E-mail	: yw.fung@aecom.com	E-mail	: richard.fung@alsglobal.com		
Telephone	: +852 3105 8544	Telephone	: +852 2610 1044		
Facsimile	: —-	Facsimile	: +852 2610 2021		
Project	: ASIA DIRECT CABLE SYSTEM - HONG KONG SEGMENT (ADC-HK) - CHUNG HOM KOK			Date received	: 13-Jul-2022
Order number	: 60685660	Quote number	: HKE/1617/2022	Date of issue	: 22-Jul-2022
C-O-C number	: —			No. of samples	- Received : 72
Site	: —				- Analysed : 72

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

Signatory	Position	Authorised results for:
Fung Lim Chee, Richard	Managing Director	Inorganics, Kwai Tsing

General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 13-Jul-2022 to 22-Jul-2022.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2225567 :

Sample(s) was/ were picked up from client by ALS staff. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

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.

Analytical Results

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
C3/S/ Mid-Ebb	13-Jul-2022	HK2225567-001	2.6	---	---	---	---
C3/S/ Mid-Ebb	13-Jul-2022	HK2225567-002	2.4	---	---	---	---
C3/M/ Mid-Ebb	13-Jul-2022	HK2225567-003	2.3	---	---	---	---
C3/M/ Mid-Ebb	13-Jul-2022	HK2225567-004	2.1	---	---	---	---
C3/B/ Mid-Ebb	13-Jul-2022	HK2225567-005	1.5	---	---	---	---
C3/B/ Mid-Ebb	13-Jul-2022	HK2225567-006	1.7	---	---	---	---
C6/C7/S/ Mid-Ebb	13-Jul-2022	HK2225567-007	2.4	---	---	---	---
C6/C7/S/ Mid-Ebb	13-Jul-2022	HK2225567-008	2.7	---	---	---	---
C6/C7/M/ Mid-Ebb	13-Jul-2022	HK2225567-009	2.3	---	---	---	---
C6/C7/M/ Mid-Ebb	13-Jul-2022	HK2225567-010	2.1	---	---	---	---
C6/C7/B/ Mid-Ebb	13-Jul-2022	HK2225567-011	1.6	---	---	---	---
C6/C7/B/ Mid-Ebb	13-Jul-2022	HK2225567-012	1.7	---	---	---	---
C8/S/ Mid-Ebb	13-Jul-2022	HK2225567-013	2.9	---	---	---	---
C8/S/ Mid-Ebb	13-Jul-2022	HK2225567-014	2.6	---	---	---	---
C8/M/ Mid-Ebb	13-Jul-2022	HK2225567-015	2.1	---	---	---	---
C8/M/ Mid-Ebb	13-Jul-2022	HK2225567-016	2.2	---	---	---	---
C8/B/ Mid-Ebb	13-Jul-2022	HK2225567-017	1.8	---	---	---	---
C8/B/ Mid-Ebb	13-Jul-2022	HK2225567-018	1.9	---	---	---	---
F1/S/ Mid-Ebb	13-Jul-2022	HK2225567-019	3.2	---	---	---	---
F1/S/ Mid-Ebb	13-Jul-2022	HK2225567-020	3.6	---	---	---	---
F1/M/ Mid-Ebb	13-Jul-2022	HK2225567-021	3.0	---	---	---	---
F1/M/ Mid-Ebb	13-Jul-2022	HK2225567-022	2.6	---	---	---	---
F1/B/ Mid-Ebb	13-Jul-2022	HK2225567-023	2.2	---	---	---	---
F1/B/ Mid-Ebb	13-Jul-2022	HK2225567-024	2.6	---	---	---	---
F2/S/ Mid-Ebb	13-Jul-2022	HK2225567-025	2.6	---	---	---	---
F2/S/ Mid-Ebb	13-Jul-2022	HK2225567-026	2.4	---	---	---	---
F2/M/ Mid-Ebb	13-Jul-2022	HK2225567-027	2.2	---	---	---	---
F2/M/ Mid-Ebb	13-Jul-2022	HK2225567-028	2.0	---	---	---	---
F2/B/ Mid-Ebb	13-Jul-2022	HK2225567-029	1.9	---	---	---	---
F2/B/ Mid-Ebb	13-Jul-2022	HK2225567-030	1.6	---	---	---	---
CS1/S/ Mid-Ebb	13-Jul-2022	HK2225567-031	1.5	---	---	---	---

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
CS1/S/ Mid-Ebb	13-Jul-2022	HK2225567-032	1.7	---	---	---	---
CS1/M/ Mid-Ebb	13-Jul-2022	HK2225567-033	2.1	---	---	---	---
CS1/M/ Mid-Ebb	13-Jul-2022	HK2225567-034	2.0	---	---	---	---
CS1/B/ Mid-Ebb	13-Jul-2022	HK2225567-035	2.2	---	---	---	---
CS1/B/ Mid-Ebb	13-Jul-2022	HK2225567-036	2.4	---	---	---	---
C3/S/ Mid-Flood	13-Jul-2022	HK2225567-037	1.6	---	---	---	---
C3/S/ Mid-Flood	13-Jul-2022	HK2225567-038	1.8	---	---	---	---
C3/M/ Mid-Flood	13-Jul-2022	HK2225567-039	2.2	---	---	---	---
C3/M/ Mid-Flood	13-Jul-2022	HK2225567-040	2.7	---	---	---	---
C3/B/ Mid-Flood	13-Jul-2022	HK2225567-041	3.2	---	---	---	---
C3/B/ Mid-Flood	13-Jul-2022	HK2225567-042	3.0	---	---	---	---
C6/C7/S/ Mid-Flood	13-Jul-2022	HK2225567-043	2.1	---	---	---	---
C6/C7/S/ Mid-Flood	13-Jul-2022	HK2225567-044	2.0	---	---	---	---
C6/C7/M/ Mid-Flood	13-Jul-2022	HK2225567-045	1.8	---	---	---	---
C6/C7/M/ Mid-Flood	13-Jul-2022	HK2225567-046	1.6	---	---	---	---
C6/C7/B/ Mid-Flood	13-Jul-2022	HK2225567-047	1.4	---	---	---	---
C6/C7/B/ Mid-Flood	13-Jul-2022	HK2225567-048	1.3	---	---	---	---
C8/S/ Mid-Flood	13-Jul-2022	HK2225567-049	1.4	---	---	---	---
C8/S/ Mid-Flood	13-Jul-2022	HK2225567-050	1.2	---	---	---	---
C8/M/ Mid-Flood	13-Jul-2022	HK2225567-051	1.7	---	---	---	---
C8/M/ Mid-Flood	13-Jul-2022	HK2225567-052	1.8	---	---	---	---
C8/B/ Mid-Flood	13-Jul-2022	HK2225567-053	2.3	---	---	---	---
C8/B/ Mid-Flood	13-Jul-2022	HK2225567-054	2.1	---	---	---	---
F1/S/ Mid-Flood	13-Jul-2022	HK2225567-055	2.3	---	---	---	---
F1/S/ Mid-Flood	13-Jul-2022	HK2225567-056	2.1	---	---	---	---
F1/M/ Mid-Flood	13-Jul-2022	HK2225567-057	1.7	---	---	---	---
F1/M/ Mid-Flood	13-Jul-2022	HK2225567-058	1.8	---	---	---	---
F1/B/ Mid-Flood	13-Jul-2022	HK2225567-059	1.5	---	---	---	---
F1/B/ Mid-Flood	13-Jul-2022	HK2225567-060	1.3	---	---	---	---
F2/S/ Mid-Flood	13-Jul-2022	HK2225567-061	1.3	---	---	---	---
F2/S/ Mid-Flood	13-Jul-2022	HK2225567-062	1.4	---	---	---	---
F2/M/ Mid-Flood	13-Jul-2022	HK2225567-063	1.6	---	---	---	---
F2/M/ Mid-Flood	13-Jul-2022	HK2225567-064	1.7	---	---	---	---

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)	---	---	---	---
	LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
F2/B/ Mid-Flood	13-Jul-2022	HK2225567-065	2.3	---	---	---	---
F2/B/ Mid-Flood	13-Jul-2022	HK2225567-066	2.2	---	---	---	---
CS1/S/ Mid-Flood	13-Jul-2022	HK2225567-067	2.4	---	---	---	---
CS1/S/ Mid-Flood	13-Jul-2022	HK2225567-068	2.2	---	---	---	---
CS1/M/ Mid-Flood	13-Jul-2022	HK2225567-069	3.0	---	---	---	---
CS1/M/ Mid-Flood	13-Jul-2022	HK2225567-070	2.7	---	---	---	---
CS1/B/ Mid-Flood	13-Jul-2022	HK2225567-071	4.1	---	---	---	---
CS1/B/ Mid-Flood	13-Jul-2022	HK2225567-072	3.7	---	---	---	---

Laboratory Duplicate (DUP) Report

Matrix: WATER

				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4458777)								
HK2225567-001	C3/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.6	2.7	0.0
HK2225567-011	C6/C7/B/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	1.6	1.8	8.7
EA/ED: Physical and Aggregate Properties (QC Lot: 4458778)								
HK2225567-021	F1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.0	2.6	12.4
HK2225567-031	CS1/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	1.5	1.6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4458779)								
HK2225567-041	C3/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.2	3.4	6.8
HK2225567-051	C8/M/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	1.7	1.6	7.5
EA/ED: Physical and Aggregate Properties (QC Lot: 4458780)								
HK2225567-061	F2/S/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	1.3	1.2	7.8
HK2225567-071	CS1/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.1	3.9	4.4

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER

		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 4458777)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	95.5	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4458778)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	104	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4458779)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	101	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4458780)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	104	---	85.1	117	---	---

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: AECOM ASIA COMPANY LIMITED	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 6		
Contact	: MR Y W FUNG	Contact	: Richard Fung	Work Order	: HK2225568		
Address	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Kwai Tsing Hong Kong				
E-mail	: yw.fung@aecom.com	E-mail	: richard.fung@alsglobal.com				
Telephone	: +852 3105 8544	Telephone	: +852 2610 1044				
Facsimile	: —-	Facsimile	: +852 2610 2021				
Project	: ASIA DIRECT CABLE SYSTEM - HONG KONG SEGMENT (ADC-HK) - CHUNG HOM KOK			Date received	: 15-Jul-2022		
Order number	: 60685660	Quote number	: HKE/1617/2022	Date of issue	: 25-Jul-2022		
C-O-C number	: —			No. of samples	- Received	:	72
Site	: —				- Analysed	:	72

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

Signatory	Position	Authorised results for:
Fung Lim Chee, Richard	Managing Director	Inorganics, Kwai Tsing

General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 15-Jul-2022 to 25-Jul-2022.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2225568 :

Sample(s) was/ were picked up from client by ALS staff. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

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.

Analytical Results

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
C3/S/ Mid-Ebb	15-Jul-2022	HK2225568-001	2.7	---	---	---	---
C3/S/ Mid-Ebb	15-Jul-2022	HK2225568-002	2.6	---	---	---	---
C3/M/ Mid-Ebb	15-Jul-2022	HK2225568-003	2.4	---	---	---	---
C3/M/ Mid-Ebb	15-Jul-2022	HK2225568-004	2.1	---	---	---	---
C3/B/ Mid-Ebb	15-Jul-2022	HK2225568-005	1.8	---	---	---	---
C3/B/ Mid-Ebb	15-Jul-2022	HK2225568-006	1.9	---	---	---	---
C6/C7/S/ Mid-Ebb	15-Jul-2022	HK2225568-007	2.7	---	---	---	---
C6/C7/S/ Mid-Ebb	15-Jul-2022	HK2225568-008	2.9	---	---	---	---
C6/C7/M/ Mid-Ebb	15-Jul-2022	HK2225568-009	2.3	---	---	---	---
C6/C7/M/ Mid-Ebb	15-Jul-2022	HK2225568-010	2.5	---	---	---	---
C6/C7/B/ Mid-Ebb	15-Jul-2022	HK2225568-011	1.6	---	---	---	---
C6/C7/B/ Mid-Ebb	15-Jul-2022	HK2225568-012	1.9	---	---	---	---
C8/S/ Mid-Ebb	15-Jul-2022	HK2225568-013	2.2	---	---	---	---
C8/S/ Mid-Ebb	15-Jul-2022	HK2225568-014	2.2	---	---	---	---
C8/M/ Mid-Ebb	15-Jul-2022	HK2225568-015	2.4	---	---	---	---
C8/M/ Mid-Ebb	15-Jul-2022	HK2225568-016	2.5	---	---	---	---
C8/B/ Mid-Ebb	15-Jul-2022	HK2225568-017	2.7	---	---	---	---
C8/B/ Mid-Ebb	15-Jul-2022	HK2225568-018	2.8	---	---	---	---
F1/S/ Mid-Ebb	15-Jul-2022	HK2225568-019	2.7	---	---	---	---
F1/S/ Mid-Ebb	15-Jul-2022	HK2225568-020	2.9	---	---	---	---
F1/M/ Mid-Ebb	15-Jul-2022	HK2225568-021	3.3	---	---	---	---
F1/M/ Mid-Ebb	15-Jul-2022	HK2225568-022	3.0	---	---	---	---
F1/B/ Mid-Ebb	15-Jul-2022	HK2225568-023	3.3	---	---	---	---
F1/B/ Mid-Ebb	15-Jul-2022	HK2225568-024	3.2	---	---	---	---
F2/S/ Mid-Ebb	15-Jul-2022	HK2225568-025	2.4	---	---	---	---
F2/S/ Mid-Ebb	15-Jul-2022	HK2225568-026	2.1	---	---	---	---
F2/M/ Mid-Ebb	15-Jul-2022	HK2225568-027	2.7	---	---	---	---
F2/M/ Mid-Ebb	15-Jul-2022	HK2225568-028	2.7	---	---	---	---
F2/B/ Mid-Ebb	15-Jul-2022	HK2225568-029	3.2	---	---	---	---
F2/B/ Mid-Ebb	15-Jul-2022	HK2225568-030	2.8	---	---	---	---
CS1/S/ Mid-Ebb	15-Jul-2022	HK2225568-031	4.0	---	---	---	---

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
CS1/S/ Mid-Ebb	15-Jul-2022	HK2225568-032	3.7	---	---	---	---
CS1/M/ Mid-Ebb	15-Jul-2022	HK2225568-033	3.0	---	---	---	---
CS1/M/ Mid-Ebb	15-Jul-2022	HK2225568-034	3.3	---	---	---	---
CS1/B/ Mid-Ebb	15-Jul-2022	HK2225568-035	2.6	---	---	---	---
CS1/B/ Mid-Ebb	15-Jul-2022	HK2225568-036	2.9	---	---	---	---
C3/S/ Mid-Flood	15-Jul-2022	HK2225568-037	3.1	---	---	---	---
C3/S/ Mid-Flood	15-Jul-2022	HK2225568-038	3.4	---	---	---	---
C3/M/ Mid-Flood	15-Jul-2022	HK2225568-039	2.6	---	---	---	---
C3/M/ Mid-Flood	15-Jul-2022	HK2225568-040	2.9	---	---	---	---
C3/B/ Mid-Flood	15-Jul-2022	HK2225568-041	2.6	---	---	---	---
C3/B/ Mid-Flood	15-Jul-2022	HK2225568-042	2.4	---	---	---	---
C6/C7/S/ Mid-Flood	15-Jul-2022	HK2225568-043	2.4	---	---	---	---
C6/C7/S/ Mid-Flood	15-Jul-2022	HK2225568-044	2.5	---	---	---	---
C6/C7/M/ Mid-Flood	15-Jul-2022	HK2225568-045	2.8	---	---	---	---
C6/C7/M/ Mid-Flood	15-Jul-2022	HK2225568-046	3.2	---	---	---	---
C6/C7/B/ Mid-Flood	15-Jul-2022	HK2225568-047	3.8	---	---	---	---
C6/C7/B/ Mid-Flood	15-Jul-2022	HK2225568-048	3.5	---	---	---	---
C8/S/ Mid-Flood	15-Jul-2022	HK2225568-049	2.8	---	---	---	---
C8/S/ Mid-Flood	15-Jul-2022	HK2225568-050	3.0	---	---	---	---
C8/M/ Mid-Flood	15-Jul-2022	HK2225568-051	3.1	---	---	---	---
C8/M/ Mid-Flood	15-Jul-2022	HK2225568-052	3.4	---	---	---	---
C8/B/ Mid-Flood	15-Jul-2022	HK2225568-053	3.5	---	---	---	---
C8/B/ Mid-Flood	15-Jul-2022	HK2225568-054	3.8	---	---	---	---
F1/S/ Mid-Flood	15-Jul-2022	HK2225568-055	3.4	---	---	---	---
F1/S/ Mid-Flood	15-Jul-2022	HK2225568-056	3.8	---	---	---	---
F1/M/ Mid-Flood	15-Jul-2022	HK2225568-057	3.0	---	---	---	---
F1/M/ Mid-Flood	15-Jul-2022	HK2225568-058	2.6	---	---	---	---
F1/B/ Mid-Flood	15-Jul-2022	HK2225568-059	2.4	---	---	---	---
F1/B/ Mid-Flood	15-Jul-2022	HK2225568-060	2.2	---	---	---	---
F2/S/ Mid-Flood	15-Jul-2022	HK2225568-061	3.4	---	---	---	---
F2/S/ Mid-Flood	15-Jul-2022	HK2225568-062	3.6	---	---	---	---
F2/M/ Mid-Flood	15-Jul-2022	HK2225568-063	3.3	---	---	---	---
F2/M/ Mid-Flood	15-Jul-2022	HK2225568-064	3.0	---	---	---	---

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)	---	---	---	---
	LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
F2/B/ Mid-Flood	15-Jul-2022	HK2225568-065	2.6	---	---	---	---
F2/B/ Mid-Flood	15-Jul-2022	HK2225568-066	2.8	---	---	---	---
CS1/S/ Mid-Flood	15-Jul-2022	HK2225568-067	3.2	---	---	---	---
CS1/S/ Mid-Flood	15-Jul-2022	HK2225568-068	3.0	---	---	---	---
CS1/M/ Mid-Flood	15-Jul-2022	HK2225568-069	3.5	---	---	---	---
CS1/M/ Mid-Flood	15-Jul-2022	HK2225568-070	3.9	---	---	---	---
CS1/B/ Mid-Flood	15-Jul-2022	HK2225568-071	5.8	---	---	---	---
CS1/B/ Mid-Flood	15-Jul-2022	HK2225568-072	5.4	---	---	---	---

Laboratory Duplicate (DUP) Report

Matrix: WATER

				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4465405)								
HK2225568-001	C3/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.7	2.6	5.7
HK2225568-011	C6/C7/B/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	1.6	1.8	8.7
EA/ED: Physical and Aggregate Properties (QC Lot: 4465406)								
HK2225568-021	F1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.3	3.5	4.4
HK2225568-031	CS1/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.0	4.2	5.5
EA/ED: Physical and Aggregate Properties (QC Lot: 4465407)								
HK2225568-041	C3/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.6	2.4	7.9
HK2225568-051	C8/M/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.1	3.4	6.9
EA/ED: Physical and Aggregate Properties (QC Lot: 4465408)								
HK2225568-061	F2/S/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.4	3.7	7.0
HK2225568-071	CS1/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	5.8	5.4	6.7

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER

		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 4465405)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	96.0	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4465406)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	107	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4465407)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	103	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4465408)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	100	---	85.1	117	---	---

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: AECOM ASIA COMPANY LIMITED	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 6
Contact	: MR Y W FUNG	Contact	: Richard Fung	Work Order	: HK2226958
Address	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Kwai Tsing Hong Kong		
E-mail	: yw.fung@aecom.com	E-mail	: richard.fung@alsglobal.com		
Telephone	: +852 3105 8544	Telephone	: +852 2610 1044		
Facsimile	: —-	Facsimile	: +852 2610 2021		
Project	: ASIA DIRECT CABLE SYSTEM - HONG KONG SEGMENT (ADC-HK) - CHUNG HOM KOK			Date received	: 18-Jul-2022
Order number	: 60685660	Quote number	: HKE/1617/2022	Date of issue	: 27-Jul-2022
C-O-C number	: —			No. of samples	- Received : 72
Site	: —				- Analysed : 72

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

Signatory	Position	Authorised results for:
Fung Lim Chee, Richard	Managing Director	Inorganics, Kwai Tsing

General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 18-Jul-2022 to 27-Jul-2022.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2226958 :

Sample(s) was/ were picked up from client by ALS staff. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

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.

Analytical Results

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
C3/S/ Mid-Ebb	18-Jul-2022	HK2226958-001	1.4	---	---	---	---
C3/S/ Mid-Ebb	18-Jul-2022	HK2226958-002	1.6	---	---	---	---
C3/M/ Mid-Ebb	18-Jul-2022	HK2226958-003	1.8	---	---	---	---
C3/M/ Mid-Ebb	18-Jul-2022	HK2226958-004	1.8	---	---	---	---
C3/B/ Mid-Ebb	18-Jul-2022	HK2226958-005	2.1	---	---	---	---
C3/B/ Mid-Ebb	18-Jul-2022	HK2226958-006	2.4	---	---	---	---
C6/C7/S/ Mid-Ebb	18-Jul-2022	HK2226958-007	1.3	---	---	---	---
C6/C7/S/ Mid-Ebb	18-Jul-2022	HK2226958-008	1.2	---	---	---	---
C6/C7/M/ Mid-Ebb	18-Jul-2022	HK2226958-009	1.5	---	---	---	---
C6/C7/M/ Mid-Ebb	18-Jul-2022	HK2226958-010	1.7	---	---	---	---
C6/C7/B/ Mid-Ebb	18-Jul-2022	HK2226958-011	2.6	---	---	---	---
C6/C7/B/ Mid-Ebb	18-Jul-2022	HK2226958-012	2.3	---	---	---	---
C8/S/ Mid-Ebb	18-Jul-2022	HK2226958-013	1.4	---	---	---	---
C8/S/ Mid-Ebb	18-Jul-2022	HK2226958-014	1.2	---	---	---	---
C8/M/ Mid-Ebb	18-Jul-2022	HK2226958-015	1.8	---	---	---	---
C8/M/ Mid-Ebb	18-Jul-2022	HK2226958-016	1.9	---	---	---	---
C8/B/ Mid-Ebb	18-Jul-2022	HK2226958-017	2.2	---	---	---	---
C8/B/ Mid-Ebb	18-Jul-2022	HK2226958-018	2.1	---	---	---	---
F1/S/ Mid-Ebb	18-Jul-2022	HK2226958-019	1.3	---	---	---	---
F1/S/ Mid-Ebb	18-Jul-2022	HK2226958-020	1.5	---	---	---	---
F1/M/ Mid-Ebb	18-Jul-2022	HK2226958-021	1.9	---	---	---	---
F1/M/ Mid-Ebb	18-Jul-2022	HK2226958-022	1.7	---	---	---	---
F1/B/ Mid-Ebb	18-Jul-2022	HK2226958-023	2.1	---	---	---	---
F1/B/ Mid-Ebb	18-Jul-2022	HK2226958-024	2.4	---	---	---	---
F2/S/ Mid-Ebb	18-Jul-2022	HK2226958-025	2.4	---	---	---	---
F2/S/ Mid-Ebb	18-Jul-2022	HK2226958-026	2.3	---	---	---	---
F2/M/ Mid-Ebb	18-Jul-2022	HK2226958-027	2.1	---	---	---	---
F2/M/ Mid-Ebb	18-Jul-2022	HK2226958-028	2.0	---	---	---	---
F2/B/ Mid-Ebb	18-Jul-2022	HK2226958-029	1.4	---	---	---	---
F2/B/ Mid-Ebb	18-Jul-2022	HK2226958-030	1.4	---	---	---	---
CS1/S/ Mid-Ebb	18-Jul-2022	HK2226958-031	1.5	---	---	---	---

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
CS1/S/ Mid-Ebb	18-Jul-2022	HK2226958-032	1.4	---	---	---	---
CS1/M/ Mid-Ebb	18-Jul-2022	HK2226958-033	1.7	---	---	---	---
CS1/M/ Mid-Ebb	18-Jul-2022	HK2226958-034	1.9	---	---	---	---
CS1/B/ Mid-Ebb	18-Jul-2022	HK2226958-035	2.3	---	---	---	---
CS1/B/ Mid-Ebb	18-Jul-2022	HK2226958-036	2.2	---	---	---	---
C3/S/ Mid-Flood	18-Jul-2022	HK2226958-037	1.3	---	---	---	---
C3/S/ Mid-Flood	18-Jul-2022	HK2226958-038	1.7	---	---	---	---
C3/M/ Mid-Flood	18-Jul-2022	HK2226958-039	2.4	---	---	---	---
C3/M/ Mid-Flood	18-Jul-2022	HK2226958-040	2.8	---	---	---	---
C3/B/ Mid-Flood	18-Jul-2022	HK2226958-041	3.3	---	---	---	---
C3/B/ Mid-Flood	18-Jul-2022	HK2226958-042	3.8	---	---	---	---
C6/C7/S/ Mid-Flood	18-Jul-2022	HK2226958-043	1.7	---	---	---	---
C6/C7/S/ Mid-Flood	18-Jul-2022	HK2226958-044	1.8	---	---	---	---
C6/C7/M/ Mid-Flood	18-Jul-2022	HK2226958-045	2.2	---	---	---	---
C6/C7/M/ Mid-Flood	18-Jul-2022	HK2226958-046	2.5	---	---	---	---
C6/C7/B/ Mid-Flood	18-Jul-2022	HK2226958-047	3.0	---	---	---	---
C6/C7/B/ Mid-Flood	18-Jul-2022	HK2226958-048	3.3	---	---	---	---
C8/S/ Mid-Flood	18-Jul-2022	HK2226958-049	2.6	---	---	---	---
C8/S/ Mid-Flood	18-Jul-2022	HK2226958-050	2.3	---	---	---	---
C8/M/ Mid-Flood	18-Jul-2022	HK2226958-051	1.8	---	---	---	---
C8/M/ Mid-Flood	18-Jul-2022	HK2226958-052	1.9	---	---	---	---
C8/B/ Mid-Flood	18-Jul-2022	HK2226958-053	1.1	---	---	---	---
C8/B/ Mid-Flood	18-Jul-2022	HK2226958-054	1.2	---	---	---	---
F1/S/ Mid-Flood	18-Jul-2022	HK2226958-055	1.5	---	---	---	---
F1/S/ Mid-Flood	18-Jul-2022	HK2226958-056	1.3	---	---	---	---
F1/M/ Mid-Flood	18-Jul-2022	HK2226958-057	1.7	---	---	---	---
F1/M/ Mid-Flood	18-Jul-2022	HK2226958-058	1.9	---	---	---	---
F1/B/ Mid-Flood	18-Jul-2022	HK2226958-059	2.2	---	---	---	---
F1/B/ Mid-Flood	18-Jul-2022	HK2226958-060	2.6	---	---	---	---
F2/S/ Mid-Flood	18-Jul-2022	HK2226958-061	1.6	---	---	---	---
F2/S/ Mid-Flood	18-Jul-2022	HK2226958-062	1.5	---	---	---	---
F2/M/ Mid-Flood	18-Jul-2022	HK2226958-063	1.8	---	---	---	---
F2/M/ Mid-Flood	18-Jul-2022	HK2226958-064	1.8	---	---	---	---

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)	---	---	---	---
	LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
F2/B/ Mid-Flood	18-Jul-2022	HK2226958-065	2.2	---	---	---	---
F2/B/ Mid-Flood	18-Jul-2022	HK2226958-066	2.3	---	---	---	---
CS1/S/ Mid-Flood	18-Jul-2022	HK2226958-067	2.8	---	---	---	---
CS1/S/ Mid-Flood	18-Jul-2022	HK2226958-068	3.0	---	---	---	---
CS1/M/ Mid-Flood	18-Jul-2022	HK2226958-069	2.6	---	---	---	---
CS1/M/ Mid-Flood	18-Jul-2022	HK2226958-070	2.4	---	---	---	---
CS1/B/ Mid-Flood	18-Jul-2022	HK2226958-071	2.3	---	---	---	---
CS1/B/ Mid-Flood	18-Jul-2022	HK2226958-072	2.4	---	---	---	---

Laboratory Duplicate (DUP) Report

Matrix: WATER

				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4471125)								
HK2226958-001	C3/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	1.4	1.5	6.8
HK2226958-011	C6/C7/B/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.6	2.8	7.5
EA/ED: Physical and Aggregate Properties (QC Lot: 4471126)								
HK2226958-021	F1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	1.9	1.7	8.3
HK2226958-031	CS1/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	1.5	1.6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4471127)								
HK2226958-041	C3/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.3	3.0	12.0
HK2226958-051	C8/M/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	1.8	1.7	7.1
EA/ED: Physical and Aggregate Properties (QC Lot: 4471128)								
HK2226958-061	F2/S/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	1.6	1.5	11.2
HK2226958-071	CS1/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.3	2.2	7.8

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER

		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 4471125)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	103	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4471126)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	98.5	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4471127)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	102	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4471128)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	96.0	---	85.1	117	---	---

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: AECOM ASIA COMPANY LIMITED	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 6
Contact	: MR Y W FUNG	Contact	: Richard Fung	Work Order	: HK2226959
Address	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Kwai Tsing Hong Kong		
E-mail	: yw.fung@aecom.com	E-mail	: richard.fung@alsglobal.com		
Telephone	: +852 3105 8544	Telephone	: +852 2610 1044		
Facsimile	: —-	Facsimile	: +852 2610 2021		
Project	: ASIA DIRECT CABLE SYSTEM - HONG KONG SEGMENT (ADC-HK) - CHUNG HOM KOK			Date received	: 20-Jul-2022
Order number	: 60685660	Quote number	: HKE/1617/2022	Date of issue	: 28-Jul-2022
C-O-C number	: —			No. of samples	- Received : 72
Site	: —				- Analysed : 72

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

Signatory	Position	Authorised results for:
Fung Lim Chee, Richard	Managing Director	Inorganics, Kwai Tsing

General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 20-Jul-2022 to 28-Jul-2022.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2226959 :

Sample(s) was/ were picked up from client by ALS staff. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

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.

Analytical Results

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
C3/S/ Mid-Ebb	20-Jul-2022	HK2226959-001	4.2	---	---	---	---
C3/S/ Mid-Ebb	20-Jul-2022	HK2226959-002	4.0	---	---	---	---
C3/M/ Mid-Ebb	20-Jul-2022	HK2226959-003	3.6	---	---	---	---
C3/M/ Mid-Ebb	20-Jul-2022	HK2226959-004	3.4	---	---	---	---
C3/B/ Mid-Ebb	20-Jul-2022	HK2226959-005	3.0	---	---	---	---
C3/B/ Mid-Ebb	20-Jul-2022	HK2226959-006	2.6	---	---	---	---
C6/C7/S/ Mid-Ebb	20-Jul-2022	HK2226959-007	4.6	---	---	---	---
C6/C7/S/ Mid-Ebb	20-Jul-2022	HK2226959-008	4.1	---	---	---	---
C6/C7/M/ Mid-Ebb	20-Jul-2022	HK2226959-009	4.0	---	---	---	---
C6/C7/M/ Mid-Ebb	20-Jul-2022	HK2226959-010	3.7	---	---	---	---
C6/C7/B/ Mid-Ebb	20-Jul-2022	HK2226959-011	3.4	---	---	---	---
C6/C7/B/ Mid-Ebb	20-Jul-2022	HK2226959-012	3.5	---	---	---	---
C8/S/ Mid-Ebb	20-Jul-2022	HK2226959-013	4.6	---	---	---	---
C8/S/ Mid-Ebb	20-Jul-2022	HK2226959-014	4.5	---	---	---	---
C8/M/ Mid-Ebb	20-Jul-2022	HK2226959-015	4.0	---	---	---	---
C8/M/ Mid-Ebb	20-Jul-2022	HK2226959-016	3.7	---	---	---	---
C8/B/ Mid-Ebb	20-Jul-2022	HK2226959-017	3.5	---	---	---	---
C8/B/ Mid-Ebb	20-Jul-2022	HK2226959-018	3.1	---	---	---	---
F1/S/ Mid-Ebb	20-Jul-2022	HK2226959-019	4.0	---	---	---	---
F1/S/ Mid-Ebb	20-Jul-2022	HK2226959-020	3.8	---	---	---	---
F1/M/ Mid-Ebb	20-Jul-2022	HK2226959-021	4.2	---	---	---	---
F1/M/ Mid-Ebb	20-Jul-2022	HK2226959-022	4.4	---	---	---	---
F1/B/ Mid-Ebb	20-Jul-2022	HK2226959-023	5.3	---	---	---	---
F1/B/ Mid-Ebb	20-Jul-2022	HK2226959-024	4.9	---	---	---	---
F2/S/ Mid-Ebb	20-Jul-2022	HK2226959-025	4.9	---	---	---	---
F2/S/ Mid-Ebb	20-Jul-2022	HK2226959-026	4.7	---	---	---	---
F2/M/ Mid-Ebb	20-Jul-2022	HK2226959-027	4.5	---	---	---	---
F2/M/ Mid-Ebb	20-Jul-2022	HK2226959-028	4.1	---	---	---	---
F2/B/ Mid-Ebb	20-Jul-2022	HK2226959-029	3.7	---	---	---	---
F2/B/ Mid-Ebb	20-Jul-2022	HK2226959-030	3.9	---	---	---	---
CS1/S/ Mid-Ebb	20-Jul-2022	HK2226959-031	4.6	---	---	---	---

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
CS1/S/ Mid-Ebb	20-Jul-2022	HK2226959-032	4.8	---	---	---	---
CS1/M/ Mid-Ebb	20-Jul-2022	HK2226959-033	4.3	---	---	---	---
CS1/M/ Mid-Ebb	20-Jul-2022	HK2226959-034	4.4	---	---	---	---
CS1/B/ Mid-Ebb	20-Jul-2022	HK2226959-035	4.0	---	---	---	---
CS1/B/ Mid-Ebb	20-Jul-2022	HK2226959-036	3.7	---	---	---	---
C3/S/ Mid-Flood	20-Jul-2022	HK2226959-037	3.3	---	---	---	---
C3/S/ Mid-Flood	20-Jul-2022	HK2226959-038	3.5	---	---	---	---
C3/M/ Mid-Flood	20-Jul-2022	HK2226959-039	4.2	---	---	---	---
C3/M/ Mid-Flood	20-Jul-2022	HK2226959-040	3.9	---	---	---	---
C3/B/ Mid-Flood	20-Jul-2022	HK2226959-041	4.7	---	---	---	---
C3/B/ Mid-Flood	20-Jul-2022	HK2226959-042	4.5	---	---	---	---
C6/C7/S/ Mid-Flood	20-Jul-2022	HK2226959-043	3.4	---	---	---	---
C6/C7/S/ Mid-Flood	20-Jul-2022	HK2226959-044	3.7	---	---	---	---
C6/C7/M/ Mid-Flood	20-Jul-2022	HK2226959-045	3.2	---	---	---	---
C6/C7/M/ Mid-Flood	20-Jul-2022	HK2226959-046	3.4	---	---	---	---
C6/C7/B/ Mid-Flood	20-Jul-2022	HK2226959-047	2.7	---	---	---	---
C6/C7/B/ Mid-Flood	20-Jul-2022	HK2226959-048	2.9	---	---	---	---
C8/S/ Mid-Flood	20-Jul-2022	HK2226959-049	3.5	---	---	---	---
C8/S/ Mid-Flood	20-Jul-2022	HK2226959-050	3.4	---	---	---	---
C8/M/ Mid-Flood	20-Jul-2022	HK2226959-051	3.1	---	---	---	---
C8/M/ Mid-Flood	20-Jul-2022	HK2226959-052	3.3	---	---	---	---
C8/B/ Mid-Flood	20-Jul-2022	HK2226959-053	2.7	---	---	---	---
C8/B/ Mid-Flood	20-Jul-2022	HK2226959-054	2.9	---	---	---	---
F1/S/ Mid-Flood	20-Jul-2022	HK2226959-055	4.5	---	---	---	---
F1/S/ Mid-Flood	20-Jul-2022	HK2226959-056	4.9	---	---	---	---
F1/M/ Mid-Flood	20-Jul-2022	HK2226959-057	4.1	---	---	---	---
F1/M/ Mid-Flood	20-Jul-2022	HK2226959-058	4.3	---	---	---	---
F1/B/ Mid-Flood	20-Jul-2022	HK2226959-059	3.8	---	---	---	---
F1/B/ Mid-Flood	20-Jul-2022	HK2226959-060	3.9	---	---	---	---
F2/S/ Mid-Flood	20-Jul-2022	HK2226959-061	3.5	---	---	---	---
F2/S/ Mid-Flood	20-Jul-2022	HK2226959-062	3.0	---	---	---	---
F2/M/ Mid-Flood	20-Jul-2022	HK2226959-063	2.9	---	---	---	---
F2/M/ Mid-Flood	20-Jul-2022	HK2226959-064	2.7	---	---	---	---

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)	---	---	---	---
	LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
F2/B/ Mid-Flood	20-Jul-2022	HK2226959-065	2.5	---	---	---	---
F2/B/ Mid-Flood	20-Jul-2022	HK2226959-066	2.3	---	---	---	---
CS1/S/ Mid-Flood	20-Jul-2022	HK2226959-067	4.7	---	---	---	---
CS1/S/ Mid-Flood	20-Jul-2022	HK2226959-068	4.9	---	---	---	---
CS1/M/ Mid-Flood	20-Jul-2022	HK2226959-069	4.1	---	---	---	---
CS1/M/ Mid-Flood	20-Jul-2022	HK2226959-070	4.3	---	---	---	---
CS1/B/ Mid-Flood	20-Jul-2022	HK2226959-071	3.8	---	---	---	---
CS1/B/ Mid-Flood	20-Jul-2022	HK2226959-072	3.4	---	---	---	---

Laboratory Duplicate (DUP) Report

Matrix: WATER

				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4473775)								
HK2226959-001	C3/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.2	3.8	10.1
HK2226959-011	C6/C7/B/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.4	3.6	5.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4473776)								
HK2226959-021	F1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.2	4.0	5.5
HK2226959-031	CS1/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.6	4.2	9.2
EA/ED: Physical and Aggregate Properties (QC Lot: 4473777)								
HK2226959-041	C3/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.7	4.3	8.9
HK2226959-051	C8/M/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.1	3.2	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4473778)								
HK2226959-061	F2/S/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.5	3.2	7.4
HK2226959-071	CS1/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.8	3.5	8.2

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER

		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 4473775)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	94.0	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4473776)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	104	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4473777)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	106	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4473778)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	100	---	85.1	117	---	---

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: AECOM ASIA COMPANY LIMITED	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 6		
Contact	: MR Y W FUNG	Contact	: Richard Fung	Work Order	: HK2227770		
Address	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Kwai Tsing Hong Kong				
E-mail	: yw.fung@aecom.com	E-mail	: richard.fung@alsglobal.com				
Telephone	: +852 3105 8544	Telephone	: +852 2610 1044				
Facsimile	: —-	Facsimile	: +852 2610 2021				
Project	: ASIA DIRECT CABLE SYSTEM - HONG KONG SEGMENT (ADC-HK) - CHUNG HOM KOK			Date received	: 22-Jul-2022		
Order number	: 60685660	Quote number	: HKE/1617/2022	Date of issue	: 01-Aug-2022		
C-O-C number	: —			No. of samples	- Received	:	72
Site	: —				- Analysed	:	72

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

Signatory	Position	Authorised results for:
Fung Lim Chee, Richard	Managing Director	Inorganics, Kwai Tsing

General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 22-Jul-2022 to 01-Aug-2022.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2227770 :

Sample(s) was/ were picked up from client by ALS staff. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

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.

Analytical Results

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
C3/S/ Mid-Ebb	22-Jul-2022	HK2227770-001	2.8	---	---	---	---
C3/S/ Mid-Ebb	22-Jul-2022	HK2227770-002	3.1	---	---	---	---
C3/M/ Mid-Ebb	22-Jul-2022	HK2227770-003	3.6	---	---	---	---
C3/M/ Mid-Ebb	22-Jul-2022	HK2227770-004	3.5	---	---	---	---
C3/B/ Mid-Ebb	22-Jul-2022	HK2227770-005	4.2	---	---	---	---
C3/B/ Mid-Ebb	22-Jul-2022	HK2227770-006	4.0	---	---	---	---
C6/C7/S/ Mid-Ebb	22-Jul-2022	HK2227770-007	3.6	---	---	---	---
C6/C7/S/ Mid-Ebb	22-Jul-2022	HK2227770-008	3.7	---	---	---	---
C6/C7/M/ Mid-Ebb	22-Jul-2022	HK2227770-009	3.3	---	---	---	---
C6/C7/M/ Mid-Ebb	22-Jul-2022	HK2227770-010	3.4	---	---	---	---
C6/C7/B/ Mid-Ebb	22-Jul-2022	HK2227770-011	3.2	---	---	---	---
C6/C7/B/ Mid-Ebb	22-Jul-2022	HK2227770-012	2.9	---	---	---	---
C8/S/ Mid-Ebb	22-Jul-2022	HK2227770-013	3.5	---	---	---	---
C8/S/ Mid-Ebb	22-Jul-2022	HK2227770-014	3.6	---	---	---	---
C8/M/ Mid-Ebb	22-Jul-2022	HK2227770-015	3.3	---	---	---	---
C8/M/ Mid-Ebb	22-Jul-2022	HK2227770-016	3.1	---	---	---	---
C8/B/ Mid-Ebb	22-Jul-2022	HK2227770-017	2.9	---	---	---	---
C8/B/ Mid-Ebb	22-Jul-2022	HK2227770-018	2.7	---	---	---	---
F1/S/ Mid-Ebb	22-Jul-2022	HK2227770-019	4.5	---	---	---	---
F1/S/ Mid-Ebb	22-Jul-2022	HK2227770-020	4.2	---	---	---	---
F1/M/ Mid-Ebb	22-Jul-2022	HK2227770-021	3.7	---	---	---	---
F1/M/ Mid-Ebb	22-Jul-2022	HK2227770-022	3.9	---	---	---	---
F1/B/ Mid-Ebb	22-Jul-2022	HK2227770-023	3.5	---	---	---	---
F1/B/ Mid-Ebb	22-Jul-2022	HK2227770-024	3.3	---	---	---	---
F2/S/ Mid-Ebb	22-Jul-2022	HK2227770-025	3.2	---	---	---	---
F2/S/ Mid-Ebb	22-Jul-2022	HK2227770-026	3.5	---	---	---	---
F2/M/ Mid-Ebb	22-Jul-2022	HK2227770-027	2.8	---	---	---	---
F2/M/ Mid-Ebb	22-Jul-2022	HK2227770-028	2.9	---	---	---	---
F2/B/ Mid-Ebb	22-Jul-2022	HK2227770-029	2.6	---	---	---	---
F2/B/ Mid-Ebb	22-Jul-2022	HK2227770-030	2.6	---	---	---	---
CS1/S/ Mid-Ebb	22-Jul-2022	HK2227770-031	2.8	---	---	---	---

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
CS1/S/ Mid-Ebb	22-Jul-2022	HK2227770-032	2.8	---	---	---	---
CS1/M/ Mid-Ebb	22-Jul-2022	HK2227770-033	3.5	---	---	---	---
CS1/M/ Mid-Ebb	22-Jul-2022	HK2227770-034	3.2	---	---	---	---
CS1/B/ Mid-Ebb	22-Jul-2022	HK2227770-035	3.8	---	---	---	---
CS1/B/ Mid-Ebb	22-Jul-2022	HK2227770-036	4.0	---	---	---	---
C3/S/ Mid-Flood	22-Jul-2022	HK2227770-037	3.2	---	---	---	---
C3/S/ Mid-Flood	22-Jul-2022	HK2227770-038	3.3	---	---	---	---
C3/M/ Mid-Flood	22-Jul-2022	HK2227770-039	3.9	---	---	---	---
C3/M/ Mid-Flood	22-Jul-2022	HK2227770-040	3.6	---	---	---	---
C3/B/ Mid-Flood	22-Jul-2022	HK2227770-041	4.3	---	---	---	---
C3/B/ Mid-Flood	22-Jul-2022	HK2227770-042	4.4	---	---	---	---
C6/C7/S/ Mid-Flood	22-Jul-2022	HK2227770-043	4.3	---	---	---	---
C6/C7/S/ Mid-Flood	22-Jul-2022	HK2227770-044	4.6	---	---	---	---
C6/C7/M/ Mid-Flood	22-Jul-2022	HK2227770-045	3.3	---	---	---	---
C6/C7/M/ Mid-Flood	22-Jul-2022	HK2227770-046	3.6	---	---	---	---
C6/C7/B/ Mid-Flood	22-Jul-2022	HK2227770-047	3.0	---	---	---	---
C6/C7/B/ Mid-Flood	22-Jul-2022	HK2227770-048	2.9	---	---	---	---
C8/S/ Mid-Flood	22-Jul-2022	HK2227770-049	3.6	---	---	---	---
C8/S/ Mid-Flood	22-Jul-2022	HK2227770-050	3.9	---	---	---	---
C8/M/ Mid-Flood	22-Jul-2022	HK2227770-051	3.0	---	---	---	---
C8/M/ Mid-Flood	22-Jul-2022	HK2227770-052	2.7	---	---	---	---
C8/B/ Mid-Flood	22-Jul-2022	HK2227770-053	2.5	---	---	---	---
C8/B/ Mid-Flood	22-Jul-2022	HK2227770-054	2.4	---	---	---	---
F1/S/ Mid-Flood	22-Jul-2022	HK2227770-055	3.4	---	---	---	---
F1/S/ Mid-Flood	22-Jul-2022	HK2227770-056	3.6	---	---	---	---
F1/M/ Mid-Flood	22-Jul-2022	HK2227770-057	2.8	---	---	---	---
F1/M/ Mid-Flood	22-Jul-2022	HK2227770-058	2.6	---	---	---	---
F1/B/ Mid-Flood	22-Jul-2022	HK2227770-059	2.5	---	---	---	---
F1/B/ Mid-Flood	22-Jul-2022	HK2227770-060	2.2	---	---	---	---
F2/S/ Mid-Flood	22-Jul-2022	HK2227770-061	5.0	---	---	---	---
F2/S/ Mid-Flood	22-Jul-2022	HK2227770-062	4.8	---	---	---	---
F2/M/ Mid-Flood	22-Jul-2022	HK2227770-063	4.2	---	---	---	---
F2/M/ Mid-Flood	22-Jul-2022	HK2227770-064	4.5	---	---	---	---

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)	---	---	---	---
	LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
F2/B/ Mid-Flood	22-Jul-2022	HK2227770-065	3.5	---	---	---	---
F2/B/ Mid-Flood	22-Jul-2022	HK2227770-066	3.8	---	---	---	---
CS1/S/ Mid-Flood	22-Jul-2022	HK2227770-067	3.0	---	---	---	---
CS1/S/ Mid-Flood	22-Jul-2022	HK2227770-068	3.3	---	---	---	---
CS1/M/ Mid-Flood	22-Jul-2022	HK2227770-069	3.8	---	---	---	---
CS1/M/ Mid-Flood	22-Jul-2022	HK2227770-070	3.5	---	---	---	---
CS1/B/ Mid-Flood	22-Jul-2022	HK2227770-071	4.4	---	---	---	---
CS1/B/ Mid-Flood	22-Jul-2022	HK2227770-072	4.1	---	---	---	---

Laboratory Duplicate (DUP) Report

Matrix: WATER

				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4479556)								
HK2227770-001	C3/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.8	3.0	9.5
HK2227770-011	C6/C7/B/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.2	3.0	8.1
EA/ED: Physical and Aggregate Properties (QC Lot: 4479557)								
HK2227770-021	F1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.7	4.0	7.7
HK2227770-031	CS1/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.8	3.1	8.5
EA/ED: Physical and Aggregate Properties (QC Lot: 4479558)								
HK2227770-041	C3/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.3	4.2	0.0
HK2227770-051	C8/M/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.0	2.9	3.4
EA/ED: Physical and Aggregate Properties (QC Lot: 4479559)								
HK2227770-061	F2/S/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	5.0	5.3	4.4
HK2227770-071	CS1/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.4	4.2	5.2

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER

		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 4479556)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	96.0	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4479557)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	99.0	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4479558)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	104	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4479559)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	96.0	---	85.1	117	---	---

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: AECOM ASIA COMPANY LIMITED	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 6		
Contact	: MR Y W FUNG	Contact	: Richard Fung	Work Order	: HK2227771		
Address	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Kwai Tsing Hong Kong				
E-mail	: yw.fung@aecom.com	E-mail	: richard.fung@alsglobal.com				
Telephone	: +852 3105 8544	Telephone	: +852 2610 1044				
Facsimile	: —-	Facsimile	: +852 2610 2021				
Project	: ASIA DIRECT CABLE SYSTEM - HONG KONG SEGMENT (ADC-HK) - CHUNG HOM KOK			Date received	: 25-Jul-2022		
Order number	: 60685660	Quote number	: HKE/1617/2022	Date of issue	: 03-Aug-2022		
C-O-C number	: —			No. of samples	- Received	:	72
Site	: —				- Analysed	:	72

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

Signatory	Position	Authorised results for:
Fung Lim Chee, Richard	Managing Director	Inorganics, Kwai Tsing

General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 25-Jul-2022 to 02-Aug-2022.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2227771 :

Sample(s) was/ were picked up from client by ALS staff. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

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.

Analytical Results

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
C3/S/ Mid-Ebb	25-Jul-2022	HK2227771-001	3.7	---	---	---	---
C3/S/ Mid-Ebb	25-Jul-2022	HK2227771-002	3.3	---	---	---	---
C3/M/ Mid-Ebb	25-Jul-2022	HK2227771-003	2.8	---	---	---	---
C3/M/ Mid-Ebb	25-Jul-2022	HK2227771-004	3.4	---	---	---	---
C3/B/ Mid-Ebb	25-Jul-2022	HK2227771-005	2.6	---	---	---	---
C3/B/ Mid-Ebb	25-Jul-2022	HK2227771-006	2.6	---	---	---	---
C6/C7/S/ Mid-Ebb	25-Jul-2022	HK2227771-007	3.8	---	---	---	---
C6/C7/S/ Mid-Ebb	25-Jul-2022	HK2227771-008	5.1	---	---	---	---
C6/C7/M/ Mid-Ebb	25-Jul-2022	HK2227771-009	3.8	---	---	---	---
C6/C7/M/ Mid-Ebb	25-Jul-2022	HK2227771-010	4.0	---	---	---	---
C6/C7/B/ Mid-Ebb	25-Jul-2022	HK2227771-011	3.2	---	---	---	---
C6/C7/B/ Mid-Ebb	25-Jul-2022	HK2227771-012	2.9	---	---	---	---
C8/S/ Mid-Ebb	25-Jul-2022	HK2227771-013	3.5	---	---	---	---
C8/S/ Mid-Ebb	25-Jul-2022	HK2227771-014	4.1	---	---	---	---
C8/M/ Mid-Ebb	25-Jul-2022	HK2227771-015	2.6	---	---	---	---
C8/M/ Mid-Ebb	25-Jul-2022	HK2227771-016	3.0	---	---	---	---
C8/B/ Mid-Ebb	25-Jul-2022	HK2227771-017	2.8	---	---	---	---
C8/B/ Mid-Ebb	25-Jul-2022	HK2227771-018	2.7	---	---	---	---
F1/S/ Mid-Ebb	25-Jul-2022	HK2227771-019	3.4	---	---	---	---
F1/S/ Mid-Ebb	25-Jul-2022	HK2227771-020	4.4	---	---	---	---
F1/M/ Mid-Ebb	25-Jul-2022	HK2227771-021	3.3	---	---	---	---
F1/M/ Mid-Ebb	25-Jul-2022	HK2227771-022	3.0	---	---	---	---
F1/B/ Mid-Ebb	25-Jul-2022	HK2227771-023	2.8	---	---	---	---
F1/B/ Mid-Ebb	25-Jul-2022	HK2227771-024	2.5	---	---	---	---
F2/S/ Mid-Ebb	25-Jul-2022	HK2227771-025	2.9	---	---	---	---
F2/S/ Mid-Ebb	25-Jul-2022	HK2227771-026	2.4	---	---	---	---
F2/M/ Mid-Ebb	25-Jul-2022	HK2227771-027	3.0	---	---	---	---
F2/M/ Mid-Ebb	25-Jul-2022	HK2227771-028	3.2	---	---	---	---
F2/B/ Mid-Ebb	25-Jul-2022	HK2227771-029	3.4	---	---	---	---
F2/B/ Mid-Ebb	25-Jul-2022	HK2227771-030	3.2	---	---	---	---
CS1/S/ Mid-Ebb	25-Jul-2022	HK2227771-031	3.7	---	---	---	---

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
CS1/S/ Mid-Ebb	25-Jul-2022	HK2227771-032	3.8	---	---	---	---
CS1/M/ Mid-Ebb	25-Jul-2022	HK2227771-033	2.6	---	---	---	---
CS1/M/ Mid-Ebb	25-Jul-2022	HK2227771-034	2.8	---	---	---	---
CS1/B/ Mid-Ebb	25-Jul-2022	HK2227771-035	2.4	---	---	---	---
CS1/B/ Mid-Ebb	25-Jul-2022	HK2227771-036	3.2	---	---	---	---
C3/S/ Mid-Flood	25-Jul-2022	HK2227771-037	2.3	---	---	---	---
C3/S/ Mid-Flood	25-Jul-2022	HK2227771-038	2.6	---	---	---	---
C3/M/ Mid-Flood	25-Jul-2022	HK2227771-039	2.6	---	---	---	---
C3/M/ Mid-Flood	25-Jul-2022	HK2227771-040	2.1	---	---	---	---
C3/B/ Mid-Flood	25-Jul-2022	HK2227771-041	2.3	---	---	---	---
C3/B/ Mid-Flood	25-Jul-2022	HK2227771-042	3.4	---	---	---	---
C6/C7/S/ Mid-Flood	25-Jul-2022	HK2227771-043	2.2	---	---	---	---
C6/C7/S/ Mid-Flood	25-Jul-2022	HK2227771-044	2.3	---	---	---	---
C6/C7/M/ Mid-Flood	25-Jul-2022	HK2227771-045	2.1	---	---	---	---
C6/C7/M/ Mid-Flood	25-Jul-2022	HK2227771-046	1.9	---	---	---	---
C6/C7/B/ Mid-Flood	25-Jul-2022	HK2227771-047	2.8	---	---	---	---
C6/C7/B/ Mid-Flood	25-Jul-2022	HK2227771-048	2.4	---	---	---	---
C8/S/ Mid-Flood	25-Jul-2022	HK2227771-049	3.0	---	---	---	---
C8/S/ Mid-Flood	25-Jul-2022	HK2227771-050	2.7	---	---	---	---
C8/M/ Mid-Flood	25-Jul-2022	HK2227771-051	2.9	---	---	---	---
C8/M/ Mid-Flood	25-Jul-2022	HK2227771-052	2.9	---	---	---	---
C8/B/ Mid-Flood	25-Jul-2022	HK2227771-053	2.3	---	---	---	---
C8/B/ Mid-Flood	25-Jul-2022	HK2227771-054	2.0	---	---	---	---
F1/S/ Mid-Flood	25-Jul-2022	HK2227771-055	2.4	---	---	---	---
F1/S/ Mid-Flood	25-Jul-2022	HK2227771-056	2.5	---	---	---	---
F1/M/ Mid-Flood	25-Jul-2022	HK2227771-057	2.2	---	---	---	---
F1/M/ Mid-Flood	25-Jul-2022	HK2227771-058	2.4	---	---	---	---
F1/B/ Mid-Flood	25-Jul-2022	HK2227771-059	2.0	---	---	---	---
F1/B/ Mid-Flood	25-Jul-2022	HK2227771-060	1.9	---	---	---	---
F2/S/ Mid-Flood	25-Jul-2022	HK2227771-061	2.7	---	---	---	---
F2/S/ Mid-Flood	25-Jul-2022	HK2227771-062	2.8	---	---	---	---
F2/M/ Mid-Flood	25-Jul-2022	HK2227771-063	3.0	---	---	---	---
F2/M/ Mid-Flood	25-Jul-2022	HK2227771-064	2.0	---	---	---	---

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)	---	---	---	---
	LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
F2/B/ Mid-Flood	25-Jul-2022	HK2227771-065	2.4	---	---	---	---
F2/B/ Mid-Flood	25-Jul-2022	HK2227771-066	3.7	---	---	---	---
CS1/S/ Mid-Flood	25-Jul-2022	HK2227771-067	2.6	---	---	---	---
CS1/S/ Mid-Flood	25-Jul-2022	HK2227771-068	3.6	---	---	---	---
CS1/M/ Mid-Flood	25-Jul-2022	HK2227771-069	2.1	---	---	---	---
CS1/M/ Mid-Flood	25-Jul-2022	HK2227771-070	2.2	---	---	---	---
CS1/B/ Mid-Flood	25-Jul-2022	HK2227771-071	2.4	---	---	---	---
CS1/B/ Mid-Flood	25-Jul-2022	HK2227771-072	2.2	---	---	---	---

Laboratory Duplicate (DUP) Report

Matrix: WATER

				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4481839)								
HK2227771-001	C3/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.7	3.8	4.0
HK2227771-011	C6/C7/B/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.2	3.0	5.7
EA/ED: Physical and Aggregate Properties (QC Lot: 4481840)								
HK2227771-021	F1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.3	2.9	12.0
HK2227771-031	CS1/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.7	4.1	9.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4481841)								
HK2227771-041	C3/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.3	2.1	9.0
HK2227771-051	C8/M/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.9	3.4	15.7
EA/ED: Physical and Aggregate Properties (QC Lot: 4481842)								
HK2227771-061	F2/S/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.7	3.2	17.6
HK2227771-071	CS1/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.4	2.2	7.5

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER

		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 4481839)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	106	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4481840)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	99.0	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4481841)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	88.5	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4481842)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	92.0	---	85.1	117	---	---

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: AECOM ASIA COMPANY LIMITED	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 6		
Contact	: MR Y W FUNG	Contact	: Richard Fung	Work Order	: HK2228166		
Address	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Kwai Tsing Hong Kong				
E-mail	: yw.fung@aecom.com	E-mail	: richard.fung@alsglobal.com				
Telephone	: +852 3105 8544	Telephone	: +852 2610 1044				
Facsimile	: —-	Facsimile	: +852 2610 2021				
Project	: ASIA DIRECT CABLE SYSTEM - HONG KONG SEGMENT (ADC-HK) - CHUNG HOM KOK			Date received	: 27-Jul-2022		
Order number	: 60685660	Quote number	: HKE/1617/2022	Date of issue	: 04-Aug-2022		
C-O-C number	: —			No. of samples	- Received	:	72
Site	: —				- Analysed	:	72

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

Signatory	Position	Authorised results for:
Fung Lim Chee, Richard	Managing Director	Inorganics, Kwai Tsing

General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 27-Jul-2022 to 03-Aug-2022.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2228166 :

Sample(s) was/ were picked up from client by ALS staff. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

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.

Analytical Results

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
C3/S/ Mid-Ebb	27-Jul-2022	HK2228166-001	4.8	---	---	---	---
C3/S/ Mid-Ebb	27-Jul-2022	HK2228166-002	5.1	---	---	---	---
C3/M/ Mid-Ebb	27-Jul-2022	HK2228166-003	4.4	---	---	---	---
C3/M/ Mid-Ebb	27-Jul-2022	HK2228166-004	4.1	---	---	---	---
C3/B/ Mid-Ebb	27-Jul-2022	HK2228166-005	4.0	---	---	---	---
C3/B/ Mid-Ebb	27-Jul-2022	HK2228166-006	3.6	---	---	---	---
C6/C7/S/ Mid-Ebb	27-Jul-2022	HK2228166-007	3.3	---	---	---	---
C6/C7/S/ Mid-Ebb	27-Jul-2022	HK2228166-008	3.6	---	---	---	---
C6/C7/M/ Mid-Ebb	27-Jul-2022	HK2228166-009	4.4	---	---	---	---
C6/C7/M/ Mid-Ebb	27-Jul-2022	HK2228166-010	4.8	---	---	---	---
C6/C7/B/ Mid-Ebb	27-Jul-2022	HK2228166-011	5.0	---	---	---	---
C6/C7/B/ Mid-Ebb	27-Jul-2022	HK2228166-012	5.5	---	---	---	---
C8/S/ Mid-Ebb	27-Jul-2022	HK2228166-013	3.6	---	---	---	---
C8/S/ Mid-Ebb	27-Jul-2022	HK2228166-014	3.9	---	---	---	---
C8/M/ Mid-Ebb	27-Jul-2022	HK2228166-015	4.3	---	---	---	---
C8/M/ Mid-Ebb	27-Jul-2022	HK2228166-016	4.1	---	---	---	---
C8/B/ Mid-Ebb	27-Jul-2022	HK2228166-017	4.9	---	---	---	---
C8/B/ Mid-Ebb	27-Jul-2022	HK2228166-018	4.7	---	---	---	---
F1/S/ Mid-Ebb	27-Jul-2022	HK2228166-019	5.2	---	---	---	---
F1/S/ Mid-Ebb	27-Jul-2022	HK2228166-020	5.2	---	---	---	---
F1/M/ Mid-Ebb	27-Jul-2022	HK2228166-021	4.6	---	---	---	---
F1/M/ Mid-Ebb	27-Jul-2022	HK2228166-022	4.9	---	---	---	---
F1/B/ Mid-Ebb	27-Jul-2022	HK2228166-023	3.6	---	---	---	---
F1/B/ Mid-Ebb	27-Jul-2022	HK2228166-024	3.8	---	---	---	---
F2/S/ Mid-Ebb	27-Jul-2022	HK2228166-025	5.0	---	---	---	---
F2/S/ Mid-Ebb	27-Jul-2022	HK2228166-026	5.3	---	---	---	---
F2/M/ Mid-Ebb	27-Jul-2022	HK2228166-027	4.4	---	---	---	---
F2/M/ Mid-Ebb	27-Jul-2022	HK2228166-028	4.8	---	---	---	---
F2/B/ Mid-Ebb	27-Jul-2022	HK2228166-029	4.0	---	---	---	---
F2/B/ Mid-Ebb	27-Jul-2022	HK2228166-030	4.3	---	---	---	---
CS1/S/ Mid-Ebb	27-Jul-2022	HK2228166-031	5.1	---	---	---	---

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
CS1/S/ Mid-Ebb	27-Jul-2022	HK2228166-032	4.7	---	---	---	---
CS1/M/ Mid-Ebb	27-Jul-2022	HK2228166-033	4.4	---	---	---	---
CS1/M/ Mid-Ebb	27-Jul-2022	HK2228166-034	4.1	---	---	---	---
CS1/B/ Mid-Ebb	27-Jul-2022	HK2228166-035	3.7	---	---	---	---
CS1/B/ Mid-Ebb	27-Jul-2022	HK2228166-036	3.4	---	---	---	---
C3/S/ Mid-Flood	27-Jul-2022	HK2228166-037	4.2	---	---	---	---
C3/S/ Mid-Flood	27-Jul-2022	HK2228166-038	4.4	---	---	---	---
C3/M/ Mid-Flood	27-Jul-2022	HK2228166-039	4.8	---	---	---	---
C3/M/ Mid-Flood	27-Jul-2022	HK2228166-040	4.6	---	---	---	---
C3/B/ Mid-Flood	27-Jul-2022	HK2228166-041	5.3	---	---	---	---
C3/B/ Mid-Flood	27-Jul-2022	HK2228166-042	5.0	---	---	---	---
C6/C7/S/ Mid-Flood	27-Jul-2022	HK2228166-043	3.9	---	---	---	---
C6/C7/S/ Mid-Flood	27-Jul-2022	HK2228166-044	3.6	---	---	---	---
C6/C7/M/ Mid-Flood	27-Jul-2022	HK2228166-045	4.2	---	---	---	---
C6/C7/M/ Mid-Flood	27-Jul-2022	HK2228166-046	4.4	---	---	---	---
C6/C7/B/ Mid-Flood	27-Jul-2022	HK2228166-047	5.0	---	---	---	---
C6/C7/B/ Mid-Flood	27-Jul-2022	HK2228166-048	4.7	---	---	---	---
C8/S/ Mid-Flood	27-Jul-2022	HK2228166-049	4.5	---	---	---	---
C8/S/ Mid-Flood	27-Jul-2022	HK2228166-050	4.9	---	---	---	---
C8/M/ Mid-Flood	27-Jul-2022	HK2228166-051	5.1	---	---	---	---
C8/M/ Mid-Flood	27-Jul-2022	HK2228166-052	5.4	---	---	---	---
C8/B/ Mid-Flood	27-Jul-2022	HK2228166-053	5.8	---	---	---	---
C8/B/ Mid-Flood	27-Jul-2022	HK2228166-054	6.2	---	---	---	---
F1/S/ Mid-Flood	27-Jul-2022	HK2228166-055	6.3	---	---	---	---
F1/S/ Mid-Flood	27-Jul-2022	HK2228166-056	6.7	---	---	---	---
F1/M/ Mid-Flood	27-Jul-2022	HK2228166-057	4.9	---	---	---	---
F1/M/ Mid-Flood	27-Jul-2022	HK2228166-058	5.2	---	---	---	---
F1/B/ Mid-Flood	27-Jul-2022	HK2228166-059	4.3	---	---	---	---
F1/B/ Mid-Flood	27-Jul-2022	HK2228166-060	4.1	---	---	---	---
F2/S/ Mid-Flood	27-Jul-2022	HK2228166-061	4.6	---	---	---	---
F2/S/ Mid-Flood	27-Jul-2022	HK2228166-062	4.4	---	---	---	---
F2/M/ Mid-Flood	27-Jul-2022	HK2228166-063	4.0	---	---	---	---
F2/M/ Mid-Flood	27-Jul-2022	HK2228166-064	4.2	---	---	---	---

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)	---	---	---	---
	LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
F2/B/ Mid-Flood	27-Jul-2022	HK2228166-065	3.7	---	---	---	---
F2/B/ Mid-Flood	27-Jul-2022	HK2228166-066	3.9	---	---	---	---
CS1/S/ Mid-Flood	27-Jul-2022	HK2228166-067	4.8	---	---	---	---
CS1/S/ Mid-Flood	27-Jul-2022	HK2228166-068	5.1	---	---	---	---
CS1/M/ Mid-Flood	27-Jul-2022	HK2228166-069	4.5	---	---	---	---
CS1/M/ Mid-Flood	27-Jul-2022	HK2228166-070	4.3	---	---	---	---
CS1/B/ Mid-Flood	27-Jul-2022	HK2228166-071	3.8	---	---	---	---
CS1/B/ Mid-Flood	27-Jul-2022	HK2228166-072	4.0	---	---	---	---

Laboratory Duplicate (DUP) Report

Matrix: WATER

				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4486815)								
HK2228166-001	C3/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.8	4.6	3.2
HK2228166-011	C6/C7/B/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	5.0	5.4	5.8
EA/ED: Physical and Aggregate Properties (QC Lot: 4486816)								
HK2228166-021	F1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.6	4.4	3.3
HK2228166-031	CS1/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	5.1	4.9	4.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4486817)								
HK2228166-041	C3/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	5.3	5.6	5.5
HK2228166-051	C8/M/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	5.1	5.4	7.1
EA/ED: Physical and Aggregate Properties (QC Lot: 4486818)								
HK2228166-061	F2/S/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.6	4.3	6.7
HK2228166-071	CS1/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.8	4.1	8.9

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER

		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 4486815)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	106	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4486816)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	102	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4486817)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	96.5	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4486818)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	102	---	85.1	117	---	---

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: AECOM ASIA COMPANY LIMITED	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 6		
Contact	: MR Y W FUNG	Contact	: Richard Fung	Work Order	: HK2228734		
Address	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Kwai Tsing Hong Kong				
E-mail	: yw.fung@aecom.com	E-mail	: richard.fung@alsglobal.com				
Telephone	: +852 3105 8544	Telephone	: +852 2610 1044				
Facsimile	: —-	Facsimile	: +852 2610 2021				
Project	: ASIA DIRECT CABLE SYSTEM - HONG KONG SEGMENT (ADC-HK) - CHUNG HOM KOK			Date received	: 29-Jul-2022		
Order number	: 60685660	Quote number	: HKE/1617/2022	Date of issue	: 04-Aug-2022		
C-O-C number	: —			No. of samples	- Received	:	72
Site	: —				- Analysed	:	72

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

Signatory	Position	Authorised results for:
Fung Lim Chee, Richard	Managing Director	Inorganics, Kwai Tsing

General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 29-Jul-2022 to 04-Aug-2022.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2228734 :

Sample(s) was/ were picked up from client by ALS staff. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

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.

Analytical Results

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
C3/S/ Mid-Ebb	29-Jul-2022	HK2228734-001	2.8	---	---	---	---
C3/S/ Mid-Ebb	29-Jul-2022	HK2228734-002	3.0	---	---	---	---
C3/M/ Mid-Ebb	29-Jul-2022	HK2228734-003	3.2	---	---	---	---
C3/M/ Mid-Ebb	29-Jul-2022	HK2228734-004	3.4	---	---	---	---
C3/B/ Mid-Ebb	29-Jul-2022	HK2228734-005	3.9	---	---	---	---
C3/B/ Mid-Ebb	29-Jul-2022	HK2228734-006	3.7	---	---	---	---
C6/C7/S/ Mid-Ebb	29-Jul-2022	HK2228734-007	5.5	---	---	---	---
C6/C7/S/ Mid-Ebb	29-Jul-2022	HK2228734-008	5.2	---	---	---	---
C6/C7/M/ Mid-Ebb	29-Jul-2022	HK2228734-009	4.3	---	---	---	---
C6/C7/M/ Mid-Ebb	29-Jul-2022	HK2228734-010	4.1	---	---	---	---
C6/C7/B/ Mid-Ebb	29-Jul-2022	HK2228734-011	3.4	---	---	---	---
C6/C7/B/ Mid-Ebb	29-Jul-2022	HK2228734-012	3.2	---	---	---	---
C8/S/ Mid-Ebb	29-Jul-2022	HK2228734-013	2.5	---	---	---	---
C8/S/ Mid-Ebb	29-Jul-2022	HK2228734-014	2.9	---	---	---	---
C8/M/ Mid-Ebb	29-Jul-2022	HK2228734-015	3.2	---	---	---	---
C8/M/ Mid-Ebb	29-Jul-2022	HK2228734-016	3.4	---	---	---	---
C8/B/ Mid-Ebb	29-Jul-2022	HK2228734-017	3.9	---	---	---	---
C8/B/ Mid-Ebb	29-Jul-2022	HK2228734-018	3.6	---	---	---	---
F1/S/ Mid-Ebb	29-Jul-2022	HK2228734-019	4.7	---	---	---	---
F1/S/ Mid-Ebb	29-Jul-2022	HK2228734-020	4.4	---	---	---	---
F1/M/ Mid-Ebb	29-Jul-2022	HK2228734-021	4.2	---	---	---	---
F1/M/ Mid-Ebb	29-Jul-2022	HK2228734-022	3.9	---	---	---	---
F1/B/ Mid-Ebb	29-Jul-2022	HK2228734-023	3.2	---	---	---	---
F1/B/ Mid-Ebb	29-Jul-2022	HK2228734-024	2.9	---	---	---	---
F2/S/ Mid-Ebb	29-Jul-2022	HK2228734-025	2.6	---	---	---	---
F2/S/ Mid-Ebb	29-Jul-2022	HK2228734-026	2.9	---	---	---	---
F2/M/ Mid-Ebb	29-Jul-2022	HK2228734-027	3.7	---	---	---	---
F2/M/ Mid-Ebb	29-Jul-2022	HK2228734-028	4.0	---	---	---	---
F2/B/ Mid-Ebb	29-Jul-2022	HK2228734-029	5.0	---	---	---	---
F2/B/ Mid-Ebb	29-Jul-2022	HK2228734-030	5.4	---	---	---	---
CS1/S/ Mid-Ebb	29-Jul-2022	HK2228734-031	2.6	---	---	---	---

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)	---	---	---	---
		LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
CS1/S/ Mid-Ebb	29-Jul-2022	HK2228734-032	2.8	---	---	---	---
CS1/M/ Mid-Ebb	29-Jul-2022	HK2228734-033	3.3	---	---	---	---
CS1/M/ Mid-Ebb	29-Jul-2022	HK2228734-034	3.0	---	---	---	---
CS1/B/ Mid-Ebb	29-Jul-2022	HK2228734-035	4.1	---	---	---	---
CS1/B/ Mid-Ebb	29-Jul-2022	HK2228734-036	3.8	---	---	---	---
C3/S/ Mid-Flood	29-Jul-2022	HK2228734-037	3.0	---	---	---	---
C3/S/ Mid-Flood	29-Jul-2022	HK2228734-038	3.2	---	---	---	---
C3/M/ Mid-Flood	29-Jul-2022	HK2228734-039	3.6	---	---	---	---
C3/M/ Mid-Flood	29-Jul-2022	HK2228734-040	3.9	---	---	---	---
C3/B/ Mid-Flood	29-Jul-2022	HK2228734-041	4.7	---	---	---	---
C3/B/ Mid-Flood	29-Jul-2022	HK2228734-042	4.4	---	---	---	---
C6/C7/S/ Mid-Flood	29-Jul-2022	HK2228734-043	4.3	---	---	---	---
C6/C7/S/ Mid-Flood	29-Jul-2022	HK2228734-044	4.6	---	---	---	---
C6/C7/M/ Mid-Flood	29-Jul-2022	HK2228734-045	3.9	---	---	---	---
C6/C7/M/ Mid-Flood	29-Jul-2022	HK2228734-046	4.2	---	---	---	---
C6/C7/B/ Mid-Flood	29-Jul-2022	HK2228734-047	3.8	---	---	---	---
C6/C7/B/ Mid-Flood	29-Jul-2022	HK2228734-048	3.6	---	---	---	---
C8/S/ Mid-Flood	29-Jul-2022	HK2228734-049	3.1	---	---	---	---
C8/S/ Mid-Flood	29-Jul-2022	HK2228734-050	3.4	---	---	---	---
C8/M/ Mid-Flood	29-Jul-2022	HK2228734-051	3.7	---	---	---	---
C8/M/ Mid-Flood	29-Jul-2022	HK2228734-052	3.9	---	---	---	---
C8/B/ Mid-Flood	29-Jul-2022	HK2228734-053	4.7	---	---	---	---
C8/B/ Mid-Flood	29-Jul-2022	HK2228734-054	4.2	---	---	---	---
F1/S/ Mid-Flood	29-Jul-2022	HK2228734-055	4.8	---	---	---	---
F1/S/ Mid-Flood	29-Jul-2022	HK2228734-056	4.4	---	---	---	---
F1/M/ Mid-Flood	29-Jul-2022	HK2228734-057	4.1	---	---	---	---
F1/M/ Mid-Flood	29-Jul-2022	HK2228734-058	3.7	---	---	---	---
F1/B/ Mid-Flood	29-Jul-2022	HK2228734-059	3.4	---	---	---	---
F1/B/ Mid-Flood	29-Jul-2022	HK2228734-060	3.3	---	---	---	---
F2/S/ Mid-Flood	29-Jul-2022	HK2228734-061	5.1	---	---	---	---
F2/S/ Mid-Flood	29-Jul-2022	HK2228734-062	4.7	---	---	---	---
F2/M/ Mid-Flood	29-Jul-2022	HK2228734-063	4.2	---	---	---	---
F2/M/ Mid-Flood	29-Jul-2022	HK2228734-064	4.5	---	---	---	---

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)	---	---	---	---
	LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---
F2/B/ Mid-Flood	29-Jul-2022	HK2228734-065	4.2	---	---	---	---
F2/B/ Mid-Flood	29-Jul-2022	HK2228734-066	3.8	---	---	---	---
CS1/S/ Mid-Flood	29-Jul-2022	HK2228734-067	3.4	---	---	---	---
CS1/S/ Mid-Flood	29-Jul-2022	HK2228734-068	3.7	---	---	---	---
CS1/M/ Mid-Flood	29-Jul-2022	HK2228734-069	4.2	---	---	---	---
CS1/M/ Mid-Flood	29-Jul-2022	HK2228734-070	4.6	---	---	---	---
CS1/B/ Mid-Flood	29-Jul-2022	HK2228734-071	5.0	---	---	---	---
CS1/B/ Mid-Flood	29-Jul-2022	HK2228734-072	5.4	---	---	---	---

Laboratory Duplicate (DUP) Report

Matrix: WATER

				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4492180)								
HK2228734-001	C3/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.8	2.9	4.4
HK2228734-011	C6/C7/B/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.4	3.7	7.7
EA/ED: Physical and Aggregate Properties (QC Lot: 4492181)								
HK2228734-021	F1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.2	4.5	6.3
HK2228734-031	CS1/S/ Mid-Ebb	EA025: Suspended Solids (SS)	---	0.5	mg/L	2.6	2.9	10.8
EA/ED: Physical and Aggregate Properties (QC Lot: 4492182)								
HK2228734-041	C3/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	4.7	5.0	7.7
HK2228734-051	C8/M/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	3.7	3.6	4.8
EA/ED: Physical and Aggregate Properties (QC Lot: 4492183)								
HK2228734-061	F2/S/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	5.1	4.9	4.0
HK2228734-071	CS1/B/ Mid-Flood	EA025: Suspended Solids (SS)	---	0.5	mg/L	5.0	4.7	5.2

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER

		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 4492180)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	95.0	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4492181)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	94.5	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4492182)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	99.0	---	85.1	117	---	---
EA/ED: Physical and Aggregate Properties (QCLot: 4492183)											
EA025: Suspended Solids (SS)	---	0.5	mg/L	<0.5	20 mg/L	104	---	85.1	117	---	---

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**