

Ref. No. : TR/W/0695-0697/17  
 Date : 20 October 2017  
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### Test Report

**Client/ Customer** : DHI Water & Environment (M) Sdn Bhd  
**Address** : 3A01-02, Block G  
 Pusat Dagangan Phileo Damansara 1,  
 No.9, Jalan 16/11, Off Jlan Damansara,  
 46350 Petaling Jaya, Selangor,  
 Malaysia.

**Sample Description** : One (1) marine water  
**Date Received** : 04 October 2017  
**Sample Marking** : WQ-10 S SE, WQ-10 M SE & WQ-10 B SE

### Results of Analysis


Parameters	Methods	Unit	LOR	Results		
				WQ-10 S SE	WQ-10 M SE	WQ-10 B SE
Biochemical Oxygen Demand	APHA 5210 B	mg/L	1	<1	<1	<1
Total Suspended Solids	APHA 2540 D	mg/L	1	17	15	18
Oil and Grease	APHA 5520 B	mg/L	1	<1	<1	<1
Ammoniacal Nitrogen	APHA 4500-NH3 F	mg/L	0.01	0.48	0.33	0.42
Nitrate	APHA 4500-NO3 E	mg/L	0.01	<0.01	<0.01	<0.01
Fecal Coliform	APHA 9221 E	MPN/ 100mL	<1.8	<1.8	2	2

Note:

- 1) APHA (America Public Health Association) - Standard Methods for Examination of Water and Wastewater, 21<sup>st</sup> Edition
- 2) MPN- Most Probable Number Index
- 3) LOR – Limit of Reporting

Authorized by:

Authorized by:



Emi Suliana Binti Mamat  
 Chemist  
 BSc.(Hons). L/2032/6858/14



Nurul Hanan Binti Mustafa  
 Microbiologist  
 BSc.

\*\*\*End of Report\*\*\*

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Date : 20 October 2017  
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### Test Report

**Client/ Customer** : **DHI Water & Environment (M) Sdn Bhd**  
**Address** : 3A01-02, Block G  
Pusat Dagangan Phileo Damansara 1,  
No.9, Jalan 16/11, Off Jalan Damansara,  
46350 Petaling Jaya, Selangor,  
Malaysia.

**Sample Description** : One (1) marine water  
**Date Received** : 04 October 2017  
**Sample Marking** : **WQ-11 S SE, WQ-11 M SE & WQ-11 B SE**


### Results of Analysis

Parameters	Methods	Unit	LOR	Results		
				WQ-11 S SE	WQ-11 M SE	WQ-11 B SE
Biochemical Oxygen Demand	APHA 5210 B	mg/L	1	<1	<1	<1
Total Suspended Solids	APHA 2540 D	mg/L	1	14	16	20
Oil and Grease	APHA 5520 B	mg/L	1	<1	<1	<1
Ammoniacal Nitrogen	APHA 4500-NH3 F	mg/L	0.01	0.01	<0.01	<0.01
Nitrate	APHA 4500-NO3 E	mg/L	0.01	0.01	<0.01	0.01
Fecal Coliform	APHA 9221 E	MPN/ 100mL	<1.8	1.8	<1.8	<1.8

Note:

- 1) APHA (America Public Health Association) - Standard Methods for Examination of Water and Wastewater, 21<sup>st</sup> Edition
- 2) MPN- Most Probable Number Index
- 3) LOR – Limit of Reporting

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\*\*\*End of Report\*\*\*

## Annex B

### Certificates of Analysis for Sediment



Ref. No. : TR/S/OS0001/17  
 Date : 25 October 2017  
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### Test Report

Client/ Customer : DHI Water & Environment (M) Sdn Bhd  
 Sample Description : Sediment  
 Date Received : 03 October 2017  
 Sample Marking : S1f (3 October 2017)

### Results of Analysis

Parameters	Methods	LOR	Result
Total Organic Carbon (TOC), %	APHA 5310 B (Modified)	0.10	1.1
Total Petroleum Hydrocarbons, mg/kg	USEPA 5030	1.00	<1
TPH Fractions (C <sub>6</sub> -C <sub>9</sub> ), mg/kg	USEPA 3550	0.05	<0.05
TPH Fractions (C <sub>10</sub> -C <sub>14</sub> ), mg/kg	USEPA 3550	0.05	<0.05
TPH Fractions (C <sub>15</sub> -C <sub>26</sub> ), mg/kg	USEPA 3550	0.05	<0.05
TPH Fractions (C <sub>27</sub> -C <sub>36</sub> ), mg/kg	USEPA 3550	0.05	<0.05
Cyanide, mg/kg	OSRMA P.456	0.10	<0.1
Cadmium (Cd), mg/kg	USEPA 3050 B	0.01	<0.01
Mercury (Hg), mg/kg	USEPA 3052	0.02	<0.02
Arsenic (As), mg/kg	USEPA 3050 B	0.01	<0.01
Lead (Pb), mg/kg	USEPA 3050 B	0.01	<0.01
Copper (Cu), mg/kg	USEPA 3050 B	0.01	<0.01
Nickel (Ni), mg/kg	USEPA 3050 B	0.01	<0.01
Chromium (Cr), mg/kg	USEPA 3050 B	0.01	<0.01
Iron (Fe), mg/kg	USEPA 3050 B	1	27362
Manganese ( Mn), mg/kg	USEPA 3050 B	1	230

Note:

- 1) USEPA refer to United States Environmental Protection Agency method.
- 2) Analysis were subcontracted to SAMM accredited laboratory
- 3) LOR- Limit of Reporting

Authorized by:



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 Chemist  
 BSc.(Hons). L/2032/6858/14

\*\*\*End of Report\*\*