

Ref. No. : TR/W/0677-0679/17
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 : 02 October 2017
Sample Marking : **WQ-4 S SE, WQ-4 M SE & WQ-4 B SE**

Results of Analysis

Parameters	Methods	Unit	LOR	Results		
				WQ-4 S SE	WQ-4 M SE	WQ-4 B SE
Biochemical Oxygen Demand	APHA 5210 B	mg/L	1	<1	<1	<1
Total Suspended Solids	APHA 2540 D	mg/L	1	12	13	18
Oil and Grease	APHA 5520 B	mg/L	1	<1	<1	<1
Ammoniacal Nitrogen	APHA 4500-NH3 F	mg/L	0.01	0.11	0.03	0.18
Nitrate	APHA 4500-NO3 E	mg/L	0.01	0.02	<0.01	0.02
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, 21st 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 Jlan Damansara,
46350 Petaling Jaya, Selangor,
Malaysia.

Sample Description : One (1) marine water
Date Received : 02 October 2017
Sample Marking : **WQ-5 S SE, WQ-5 M SE & WQ-5 B SE**

Results of Analysis

Parameters	Methods	Unit	LOR	Results		
				WQ-5 S SE	WQ-5 M SE	WQ-5 B SE
Biochemical Oxygen Demand	APHA 5210 B	mg/L	1	<1	<1	1
Total Suspended Solids	APHA 2540 D	mg/L	1	26	28	30
Oil and Grease	APHA 5520 B	mg/L	1	<1	<1	<1
Ammoniacal Nitrogen	APHA 4500-NH3 F	mg/L	0.01	0.37	0.23	0.52
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	<1.8

Note:

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- 2) MPN- Most Probable Number Index
- 3) LOR – Limit of Reporting

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Emi Suliana Binti Mamat
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End of Report

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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 : 02 October 2017
Sample Marking : **WQ-6 S SE, WQ-6 M SE & WQ-6 B SE**

Results of Analysis

Parameters	Methods	Unit	LOR	Results		
				WQ-5 S SE	WQ-5 M SE	WQ-5 B SE
Biochemical Oxygen Demand	APHA 5210 B	mg/L	1	<1	<1	<1
Total Suspended Solids	APHA 2540 D	mg/L	1	13	11	10
Oil and Grease	APHA 5520 B	mg/L	1	<1	<1	<1
Ammoniacal Nitrogen	APHA 4500-NH ₃ F	mg/L	0.01	<0.01	0.03	<0.01
Nitrate	APHA 4500-NO ₃ E	mg/L	0.01	0.02	<0.01	0.03
Fecal Coliform	APHA 9221 E	MPN/ 100mL	<1.8	7.8	<1.8	2

Note:

- 1) APHA (America Public Health Association) - Standard Methods for Examination of Water and Wastewater, 21st Edition
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End of Report

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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-7 S SE, WQ-7 M SE & WQ-7 B SE**

Results of Analysis

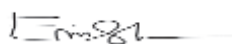
Parameters	Methods	Unit	LOR	Results		
				WQ-7 S SE	WQ-7 M SE	WQ-7 B SE
Biochemical Oxygen Demand	APHA 5210 B	mg/L	1	<1	<1	1.1
Total Suspended Solids	APHA 2540 D	mg/L	1	14	17	16
Oil and Grease	APHA 5520 B	mg/L	1	<1	<1	<1
Ammoniacal Nitrogen	APHA 4500-NH3 F	mg/L	0.01	0.31	0.49	0.61
Nitrate	APHA 4500-NO3 E	mg/L	0.01	0.02	0.01	<0.01
Fecal Coliform	APHA 9221 E	MPN/ 100mL	1.8	<1.8	<1.8	<1.8
*Chromium, Hexavalent (Cr ⁶⁺)	APHA 3500 Cr B	µg/L	2	<2	<2	<2
*Cadmium (Cd)	APHA 3120 B	µg/L	1	<1	<1	<1
*Copper (Cu)	APHA 3120 B	µg/L	1	<1	<1	<1
*Nickel (Ni)	APHA 3120 B	µg/L	1	<1	<1	<1
*Iron (Fe)	APHA 3120 B	µg/L	1	<1	<1	<1
*Lead (Pb)	APHA 3120 B	µg/L	2	<2	<2	<2
*Manganese (Mn)	APHA 3120 B	µg/L	1	<1	<1	<1
*Arsenic (As)	APHA 3114 C	µg/L	1	<1	<1	<1
*Mercury (Hg)	APHA 3112 B	µg/L	0.001	<0.001	<0.001	<0.001

Note:

- 1) APHA (America Public Health Association) - Standard Methods for Examination of Water and Wastewater, 21st Edition
- 2) MPN – Most Probable Number Index
- 3) LOR – Limit of Reporting
- 4) *Analyses were subcontracted to SAMM accredited laboratory

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Authorized by:




Emi Suliana Binti Mamat
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Nurul Hanan Binti Mustafa
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End of Report

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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-8 S SE, WQ-8 M SE & WQ-8 B SE**

Results of Analysis

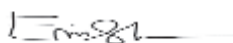
Parameters	Methods	Unit	LOR	Results		
				WQ-8 S SE	WQ-8 M SE	WQ-8 B SE
Biochemical Oxygen Demand	APHA 5210 B	mg/L	1	<1	1.1	1.2
Total Suspended Solids	APHA 2540 D	mg/L	1	19	22	18
Oil and Grease	APHA 5520 B	mg/L	1	<1	<1	<1
Ammoniacal Nitrogen	APHA 4500-NH3 F	mg/L	0.01	0.01	0.06	<0.01
Nitrate	APHA 4500-NO3 E	mg/L	0.01	<0.01	<0.01	0.02
Fecal Coliform	APHA 9221 E	MPN/ 100mL	1.8	<1.8	<1.8	<1.8
*Chromium, Hexavalent (Cr ⁶⁺)	APHA 3500 Cr B	µg/L	2	<2	<2	<2
*Cadmium (Cd)	APHA 3120 B	µg/L	1	<1	<1	<1
*Copper (Cu)	APHA 3120 B	µg/L	1	<1	<1	<1
*Nickel (Ni)	APHA 3120 B	µg/L	1	<1	<1	<1
*Iron (Fe)	APHA 3120 B	µg/L	1	<1	<1	<1
*Lead (Pb)	APHA 3120 B	µg/L	2	<2	<2	<2
*Manganese (Mn)	APHA 3120 B	µg/L	1	<1	<1	<1
*Arsenic (As)	APHA 3114 C	µg/L	1	<1	<1	<1
*Mercury (Hg)	APHA 3112 B	µg/L	0.001	<0.001	<0.001	<0.001

Note:

- 1) APHA (America Public Health Association) - Standard Methods for Examination of Water and Wastewater, 21st Edition
- 2) MPN – Most Probable Number Index
- 3) LOR – Limit of Reporting
- 4) *Analyses were subcontracted to SAMM accredited laboratory

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End of Report

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Ref. No. : TR/W/0692-0694/17-Rev 1
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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-9 S SE, WQ-9 M SE & WQ-9 B SE**

Results of Analysis

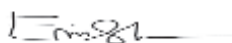
Parameters	Methods	Unit	LOR	Results		
				WQ-9 S SE	WQ-9 M SE	WQ-9 B SE
Biochemical Oxygen Demand	APHA 5210 B	mg/L	1	<1	1.1	<1
Total Suspended Solids	APHA 2540 D	mg/L	1	22	23	25
Oil and Grease	APHA 5520 B	mg/L	1	<1	<1	<1
Ammoniacal Nitrogen	APHA 4500-NH ₃ F	mg/L	0.01	0.1	0.25	0.14
Nitrate	APHA 4500-NO ₃ 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
*Chromium, Hexavalent (Cr ⁶⁺)	APHA 3500 Cr B	µg/L	2	<2	<2	<2
*Cadmium (Cd)	APHA 3120 B	µg/L	1	<1	<1	<1
*Copper (Cu)	APHA 3120 B	µg/L	1	<1	<1	<1
*Nickel (Ni)	APHA 3120 B	µg/L	1	<1	<1	<1
*Iron (Fe)	APHA 3120 B	µg/L	1	<1	<1	<1
*Lead (Pb)	APHA 3120 B	µg/L	2	<2	<2	<2
*Manganese (Mn)	APHA 3120 B	µg/L	1	<1	<1	<1
*Arsenic (As)	APHA 3114 C	µg/L	1	<1	<1	<1
*Mercury (Hg)	APHA 3112 B	µg/L	0.001	<0.001	<0.001	<0.001

Note:

- 1) APHA (America Public Health Association) - Standard Methods for Examination of Water and Wastewater, 21st Edition
- 2) MPN – Most Probable Number Index
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- 4) *Analyses were subcontracted to SAMM accredited laboratory

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