



echem ENVIRONMENTAL TESTING LABORATORY CORPORATION

Laboratory: 10 Quezon Road, San Isidro, San Simon, Pampanga

Satellite Office: G/F ASCORP Bldg., Mc Arthur Highway, Dolores, City of San Fernando, Pampanga

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DOH Accreditation No.03-014-1820-LW-2 Valid until December 2020
DENR C.R.No. 074/2017 Valid until October 16, 2020

TEST REPORT

Client: **Manila Water Philippine Ventures (MWPV)**

Test Report No.: **TR-20E-161A**

Address: **Level 3 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City**

Date and Time Received: **26 May 2020 @05:30PM**

Contact Person: **Ms. Florisza I. Faustino**

Sampled By: **ECHEM**

COC Number: **2020-E0047**

Report Date: **29 May 2020**

Sample ID:	S20-E27-001D	Sampling Date:	26 May 2020
Sample Description:	N5	Sampling Time:	11:42 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @05:40PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @05:40PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @05:40PM	AHP

Sample ID:	S20-E27-002D	Sampling Date:	26 May 2020
Sample Description:	SRCC Boston	Sampling Time:	11:52 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @05:43PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @05:43PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @05:43PM	AHP

Sample ID:	S20-E27-003D	Sampling Date:	26 May 2020
Sample Description:	N4	Sampling Time:	12:00 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @05:46PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @05:46PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @05:46PM	AHP

Sample ID:	S20-E27-004D	Sampling Date:	26 May 2020
Sample Description:	N7	Sampling Time:	12:03 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @05:49PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @05:49PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @05:49PM	AHP



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Sample ID:	S20-E27-005D	Sampling Date:	26 May 2020
Sample Description:	Mr. Gregorio Residence	Sampling Time:	12:06 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<i>E. coli</i>	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @05:52PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @05:52PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @05:52PM	AHP

Sample ID:	S20-E27-006D	Sampling Date:	26 May 2020
Sample Description:	Reservoir 1	Sampling Time:	12:12 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<i>E. coli</i>	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @05:53PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @05:53PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @05:53PM	AHP

Sample ID:	S20-E27-007D	Sampling Date:	26 May 2020
Sample Description:	N2	Sampling Time:	12:17 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<i>E. coli</i>	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @05:56PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @05:56PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @05:56PM	AHP

Sample ID:	S20-E27-008D	Sampling Date:	26 May 2020
Sample Description:	N1	Sampling Time:	12:23 PM
Sample Matrix:	Drinking Water	Sampling Location:	Quezon City

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<i>E. coli</i>	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @05:59PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @05:59PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @05:59PM	AHP

Sample ID:	S20-E27-009D	Sampling Date:	26 May 2020
Sample Description:	N3	Sampling Time:	12:34 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<i>E. coli</i>	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:03PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:03PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:03PM	AHP

Sample ID:	S20-E27-010D	Sampling Date:	26 May 2020
Sample Description:	Deepwell 7	Sampling Time:	12:29 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<i>E. coli</i>	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:06PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:06PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:06PM	AHP



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Sample ID:	S20-E27-011D	Sampling Date:	26 May 2020
Sample Description:	BNC Pawikan	Sampling Time:	12:43 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:09PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:09PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:09PM	AHP

Sample ID:	S20-E27-012D	Sampling Date:	26 May 2020
Sample Description:	Deepwell 6	Sampling Time:	01:16 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:12PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:12PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:12PM	AHP

Sample ID:	S20-E27-013D	Sampling Date:	26 May 2020
Sample Description:	Beechcroft	Sampling Time:	01:03 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:15PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:15PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:15PM	AHP

Sample ID:	S20-E27-014D	Sampling Date:	26 May 2020
Sample Description:	Villas	Sampling Time:	01:00 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:18PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:18PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:18PM	AHP

Sample ID:	S20-E27-015D	Sampling Date:	26 May 2020
Sample Description:	BNC Backdoor	Sampling Time:	01:09 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:21PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:21PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:21PM	AHP

Sample ID:	S20-E27-016D	Sampling Date:	26 May 2020
Sample Description:	Deepwell 5	Sampling Time:	01:24 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:24PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:24PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:24PM	AHP



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Sample ID:	S20-E27-017D	Sampling Date:	26 May 2020
Sample Description:	Sport Center Common Area	Sampling Time:	01:35 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:27PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:27PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:27PM	AHP

Sample ID:	S20-E27-018D	Sampling Date:	26 May 2020
Sample Description:	Sports Center Kitchen	Sampling Time:	01:38 PM
Sample Matrix:	Drinking Water	Sampling Location:	Quezon City

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:30PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:30PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:30PM	AHP

Sample ID:	S20-E27-019D	Sampling Date:	26 May 2020
Sample Description:	Golf Kitchen	Sampling Time:	02:00 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:33PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:33PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:33PM	AHP

Sample ID:	S20-E27-020D	Sampling Date:	26 May 2020
Sample Description:	Caddie	Sampling Time:	02:05 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:34PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:34PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:34PM	AHP

Sample ID:	S20-E27-021D	Sampling Date:	26 May 2020
Sample Description:	Deepwell 8	Sampling Time:	02:15 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:37PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:37PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:37PM	AHP

Sample ID:	S20-E27-022D	Sampling Date:	26 May 2020
Sample Description:	Deepwell 9	Sampling Time:	03:08 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:40PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:40PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:40PM	AHP



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Sample ID: S20-E27-023D		Sampling Date: 26 May 2020					
Sample Description: N9		Sampling Time: 02:26 PM					
Sample Matrix: Drinking Water		Sampling Location: Anvaya Cove, Morong, Bataan					
Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:43PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:43PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:43PM	AHP
Sample ID: S20-E27-024D		Sampling Date: 26 May 2020					
Sample Description: Deepwell 10		Sampling Time: 03:03 PM					
Sample Matrix: Drinking Water		Sampling Location: Anvaya Cove, Morong, Bataan					
Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:46PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:46PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:46PM	AHP
Sample ID: S20-E27-025D		Sampling Date: 26 May 2020					
Sample Description: Deepwell 11		Sampling Time: 02:58 PM					
Sample Matrix: Drinking Water		Sampling Location: Anvaya Cove, Morong, Bataan					
Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:47PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:47PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:47PM	AHP
Sample ID: S20-E27-026D		Sampling Date: 26 May 2020					
Sample Description: SBV Condo		Sampling Time: 02:38 PM					
Sample Matrix: Drinking Water		Sampling Location: Anvaya Cove, Morong, Bataan					
Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:50PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:50PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:50PM	AHP
Sample ID: S20-E27-027D		Sampling Date: 26 May 2020					
Sample Description: N6B		Sampling Time: 02:48 PM					
Sample Matrix: Drinking Water		Sampling Location: Anvaya Cove, Morong, Bataan					
Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:53PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:53PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:53PM	AHP
Sample ID: S20-E27-028D		Sampling Date: 26 May 2020					
Sample Description: Reservoir 2		Sampling Time: 02:43 PM					
Sample Matrix: Drinking Water		Sampling Location: Anvaya Cove, Morong, Bataan					
Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	26 May 2020 @06:57PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:57PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	26 May 2020 @07:03PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	26 May 2020 @06:57PM	AHP



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Technical: 0917-164-2927 • 0917-164-2944

Notes & References:

Standard Methods for the Examination of Water and Wastewater, 23rd Edition.

DOH Administrative Order No. 2017-0010, PNSDW 2017.

Certified by:

Anita H. Pineda 29 May 2020
Anita H. Pineda, RMT
Medical Technologist, PRC No. 52546

Approved by:

May Ann M. Estavillo 29 May 2020
May Ann M. Estavillo, RCh
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DOH Accreditation No.03-014-1820-LW-2 Valid until December 2020

DENR C.R.No. 074/2017 Valid until October 16, 2020

TEST REPORT

Client: **Manila Water Philippine Ventures (MWPV)**

Test Report No.: **TR-20E-161B**

Address: **Level 3 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City**

Date and Time Received: **26 May 2020 @05:30AM**

Contact Person: **Ms. Florisza I. Faustino**

Sampled By: **ECEM**

COC Number: **2020-E0047**

Report Date: **04 Jun 2020**

Sample ID:	S20-E27-001D	Sampling Date:	26 May 2020
Sample Description:	N5	Sampling Time:	11:42 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	01 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-002D	Sampling Date:	26 May 2020
Sample Description:	SRCC Boston	Sampling Time:	11:52 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	01 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-003D	Sampling Date:	26 May 2020
Sample Description:	N4	Sampling Time:	12:00 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	01 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-004D	Sampling Date:	26 May 2020
Sample Description:	N7	Sampling Time:	12:03 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	01 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-005D	Sampling Date:	26 May 2020
Sample Description:	Mr. Gregorio Residence	Sampling Time:	12:06 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	01 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS



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Sample ID:	S20-E27-006D	Sampling Date:	26 May 2020
Sample Description:	Reservoir 1	Sampling Time:	12:12 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	01 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-007D	Sampling Date:	26 May 2020
Sample Description:	N2	Sampling Time:	12:17 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	01 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-008D	Sampling Date:	26 May 2020
Sample Description:	N1	Sampling Time:	12:23 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	01 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-009D	Sampling Date:	26 May 2020
Sample Description:	N3	Sampling Time:	12:34 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	01 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-010D	Sampling Date:	26 May 2020
Sample Description:	Deepwell 7	Sampling Time:	12:29 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	01 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-011D	Sampling Date:	26 May 2020
Sample Description:	BNC Pawikan	Sampling Time:	12:43 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-012D	Sampling Date:	26 May 2020
Sample Description:	Deepwell 6	Sampling Time:	01:16 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS



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Sample ID: S20-E27-013D		Sampling Date: 26 May 2020				
Sample Description: Beechcroft		Sampling Time: 01:03 PM				
Sample Matrix: Drinking Water		Sampling Location: Anvaya Cove, Morong, Bataan				
Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS
Sample ID: S20-E27-014D		Sampling Date: 26 May 2020				
Sample Description: Villas		Sampling Time: 01:00 PM				
Sample Matrix: Drinking Water		Sampling Location: Anvaya Cove, Morong, Bataan				
Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS
Sample ID: S20-E27-015D		Sampling Date: 26 May 2020				
Sample Description: BNC Backdoor		Sampling Time: 01:09 PM				
Sample Matrix: Drinking Water		Sampling Location: Anvaya Cove, Morong, Bataan				
Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS
Sample ID: S20-E27-016D		Sampling Date: 26 May 2020				
Sample Description: Deepwell 5		Sampling Time: 01:24 PM				
Sample Matrix: Drinking Water		Sampling Location: Anvaya Cove, Morong, Bataan				
Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS
Sample ID: S20-E27-017D		Sampling Date: 26 May 2020				
Sample Description: Sports Center Common Area		Sampling Time: 01:35 PM				
Sample Matrix: Drinking Water		Sampling Location: Anvaya Cove, Morong, Bataan				
Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS
Sample ID: S20-E27-018D		Sampling Date: 26 May 2020				
Sample Description: Sports Center Kitchen		Sampling Time: 01:38 PM				
Sample Matrix: Drinking Water		Sampling Location: Anvaya Cove, Morong, Bataan				
Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	0.16	mg/L	0.40	Persulfate	03 Jun 2020	TPS
Sample ID: S20-E27-019D		Sampling Date: 26 May 2020				
Sample Description: Golf Kitchen		Sampling Time: 02:00 PM				
Sample Matrix: Drinking Water		Sampling Location: Anvaya Cove, Morong, Bataan				
Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS



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Sample ID:	S20-E27-020D	Sampling Date:	26 May 2020
Sample Description:	Caddie	Sampling Time:	02:05 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-021D	Sampling Date:	26 May 2020
Sample Description:	Deepwell 8	Sampling Time:	02:15 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-022D	Sampling Date:	26 May 2020
Sample Description:	Deepwell 9	Sampling Time:	03:08 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-023D	Sampling Date:	26 May 2020
Sample Description:	N9	Sampling Time:	02:26 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-024D	Sampling Date:	26 May 2020
Sample Description:	Deepwell 10	Sampling Time:	03:03 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	0.20	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-025D	Sampling Date:	26 May 2020
Sample Description:	Deepwell 11	Sampling Time:	02:58 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	0.36	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-026D	Sampling Date:	26 May 2020
Sample Description:	SBV Condo	Sampling Time:	02:38 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS



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Sample ID:	S20-E27-027D	Sampling Date:	26 May 2020
Sample Description:	N6B	Sampling Time:	02:48 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Sample ID:	S20-E27-028D	Sampling Date:	26 May 2020
Sample Description:	Reservoir 2	Sampling Time:	02:43 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	03 Jun 2020	JBB
Manganese	<0.14	mg/L	0.40	Persulfate	03 Jun 2020	TPS

Notes & References:

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DOH Administrative Order No. 2017-0010, PNSDW 2017.

Certified by:

Theresa P. Sayo 08 Jun 2020
Theresa P. Sayo, RCh
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