



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

DOH Accreditation No.03-002-21-LW-2 Valid until December 31, 2023

DENR C.R.No. 074/2021 Valid until September 28, 2024

## TEST REPORT

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

Test Report No.: **TR-22D-136**

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

Date and Time Received: **04 Apr 2022 @03:20PM**

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

Sampled By: **ECEM**

COC Number: **2022-D0058**

Report Date: **11 Apr 2022**

Sample ID:	<b>S22-D04-099D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>N5</b>	Sampling Time:	<b>09:45 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @05:13PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:13PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:13PM	AHP

Sample ID:	<b>S22-D04-100D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>SRCC Boston</b>	Sampling Time:	<b>09:54 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @05:16PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:16PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:16PM	AHP

Sample ID:	<b>S22-D04-101D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>N4</b>	Sampling Time:	<b>10:04 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @05:19PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:19PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:19PM	AHP

Sample ID:	<b>S22-D04-102D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>N7</b>	Sampling Time:	<b>10:12 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @05:22PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:22PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:22PM	AHP



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Sample ID:	<b>S22-D04-103D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>Tulfo Residence</b>	Sampling Time:	<b>10:21 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @05:25PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:25PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:25PM	AHP

Sample ID:	<b>S22-D04-105D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>N2</b>	Sampling Time:	<b>10:38 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @05:31PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:31PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:31PM	AHP

Sample ID:	<b>S22-D04-106D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>N1</b>	Sampling Time:	<b>10:45 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @05:34PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:34PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:34PM	AHP

Sample ID:	<b>S22-D04-108D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>N3</b>	Sampling Time:	<b>10:59 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @05:40PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:40PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:40PM	AHP

Sample ID:	<b>S22-D04-109D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>BNC Pawikan</b>	Sampling Time:	<b>11:05 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @05:43PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:43PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:43PM	AHP



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Sample ID:	<b>S22-D04-111D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>Beechcroft</b>	Sampling Time:	<b>11:20 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @05:49PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:49PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:49PM	AHP

Sample ID:	<b>S22-D04-112D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>Villas</b>	Sampling Time:	<b>11:25 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @05:52PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:52PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:52PM	AHP

Sample ID:	<b>S22-D04-113D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>BNC Backdoor</b>	Sampling Time:	<b>11:31 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @05:55PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:55PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:55PM	AHP

Sample ID:	<b>S22-D04-115D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>Sports Center Common Area</b>	Sampling Time:	<b>11:48 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @06:01PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:01PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:01PM	AHP

Sample ID:	<b>S22-D04-116D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>Sports Center Kitchen</b>	Sampling Time:	<b>11:51 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @06:04PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:04PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:04PM	AHP



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Sample ID:	<b>S22-D04-117D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>Golf Kitchen</b>	Sampling Time:	<b>12:23 PM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @06:07PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:07PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:07PM	AHP

Sample ID:	<b>S22-D04-118D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>Caddie</b>	Sampling Time:	<b>12:30 PM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @06:10PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:10PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:10PM	AHP

Sample ID:	<b>S22-D04-121D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>N9</b>	Sampling Time:	<b>12:50 PM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @06:19PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:19PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:19PM	AHP

Sample ID:	<b>S22-D04-123D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>SBV Condo</b>	Sampling Time:	<b>01:07 PM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @06:25PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:25PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:25PM	AHP

Sample ID:	<b>S22-D04-124D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>N6B</b>	Sampling Time:	<b>01:13 PM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @06:28PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:28PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:28PM	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* 11 Apr 2022

**Anita H. Pineda, RMT**

Medical Technologist, PRC No. 52546

### Approved by:

*May Ann M. Estavillo* 11 Apr 2022

**May Ann M. Estavillo, RCh**

QA/QC Manager, PRC No. 8652

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 DENR C.R.No. 074/2021 Valid until September 28, 2024

## TEST REPORT

Client: **Manila Water Philippine Ventures (MWPV)** Test Report No.: **TR-22D-136**  
 Address: **Level 3 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City** Date and Time Received: **04 Apr 2022 @03:20PM**  
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**  
 COC Number: **2022-D0058** Report Date: **11 Apr 2022**

Sample ID: **S22-D04-104D** Sampling Date: **04 Apr 2022**  
 Sample Description: **Reservoir 1** Sampling Time: **10:27 AM**  
 Sample Matrix: **Drinking Water** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @05:28PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:28PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:28PM	AHP


Sample ID: **S22-D04-125D** Sampling Date: **04 Apr 2022**  
 Sample Description: **Reservoir 2** Sampling Time: **01:19 PM**  
 Sample Matrix: **Drinking Water** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @06:31PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:31PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:31PM	AHP

### 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, RMT**  
 Medical Technologist, PRC No. 52546

#### Approved by:

  
**May Ann M. Estavillo, RCh**  
 QA/QC Manager, PRC No.8652

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# Echem ENVIRONMENTAL TESTING LABORATORY CORPORATION

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DOH Accreditation No.03-002-21-LW-2 Valid until December 31, 2023

DENR C.R.No. 074/2021 Valid until September 28, 2024

## TEST REPORT

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Test Report No.: **TR-22D-136**

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

Date and Time Received: **04 Apr 2022 @03:20PM**

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

Sampled By: **ECHEM**

COC Number: **2022-D0058**

Report Date: **11 Apr 2022**

Sample ID:	<b>S22-D04-107D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>Deepwell 7</b>	Sampling Time:	<b>10:54 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @05:37PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:37PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:37PM	AHP

Sample ID:	<b>S22-D04-110D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>Deepwell 6</b>	Sampling Time:	<b>11:14 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @05:46PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:46PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:46PM	AHP

Sample ID:	<b>S22-D04-114D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>Deepwell 5</b>	Sampling Time:	<b>11:40 AM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @05:58PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:58PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @05:58PM	AHP

Sample ID:	<b>S22-D04-119D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>Deepwell 8</b>	Sampling Time:	<b>12:38 PM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @06:13PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:13PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:13PM	AHP



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Sample ID:	<b>S22-D04-120D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>Deepwell 9</b>	Sampling Time:	<b>12:43 PM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @06:16PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:16PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:16PM	AHP

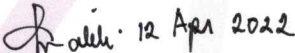
Sample ID:	<b>S22-D04-122D</b>	Sampling Date:	<b>04 Apr 2022</b>
Sample Description:	<b>Deepwell 10</b>	Sampling Time:	<b>12:58 PM</b>
Sample Matrix:	<b>Drinking Water</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
<b>E.coli</b>	<b>Absent</b>	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Apr 2022 @06:22PM	AHP
<b>Thermotolerant Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:22PM	AHP
<b>Heterotrophic Plate Count (HPC)</b>	<b>&lt;1</b>	CFU/mL	< 500	PASSED	Pour Plate	04 Apr 2022 @06:45PM	AHP
<b>Total Coliform</b>	<b>&lt;1.1</b>	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Apr 2022 @06:22PM	AHP

### Notes & References:

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