



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

Sales: 0942-316-2538 • 0945-798-6962 | (045) 435-2795

Email: echemenvironmental@gmail.com

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)**
 Address: **Level 3 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City**
 Contact Person: **Ms. Florisza I. Faustino**
 COC Number: **2022-F0027**

Test Report No.: **TR-22F-186A**
 Date and Time Received: **02 Jun 2022 @04:00PM**
 Sampled By: **ECHEM**
 Report Date: **20 Jun 2022**

Sample ID:	S22-F02-022D	Sampling Date:	02 Jun 2022
Sample Description:	BNC Pawikan	Sampling Time:	10:48 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)	02 Jun 2022 @05:18PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:18PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:18PM	AHP

Sample ID:	S22-F02-023D	Sampling Date:	02 Jun 2022
Sample Description:	Beechcroft	Sampling Time:	10:54 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)	02 Jun 2022 @05:21PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:21PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:21PM	AHP

Sample ID:	S22-F02-024D	Sampling Date:	02 Jun 2022
Sample Description:	Villas	Sampling Time:	11:00 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)	02 Jun 2022 @05:24PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:24PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:24PM	AHP

Sample ID:	S22-F02-025D	Sampling Date:	02 Jun 2022
Sample Description:	BNC Backdoor	Sampling Time:	11:07 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)	02 Jun 2022 @05:27PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:27PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:27PM	AHP



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Email: ecchemenvironmental@gmail.com

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

Sample ID: S22-F02-027D	Sampling Date: 02 Jun 2022
Sample Description: Sports Center Common Area	Sampling Time: 11:17 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)	02 Jun 2022 @05:34PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:34PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:34PM	AHP

Sample ID: S22-F02-028D	Sampling Date: 02 Jun 2022
Sample Description: Sports Center Kitchen	Sampling Time: 11:20 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)	02 Jun 2022 @05:37PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:37PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:37PM	AHP

Sample ID: S22-F02-029D	Sampling Date: 02 Jun 2022
Sample Description: Golf Kitchen	Sampling Time: 11:28 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)	02 Jun 2022 @05:40PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:40PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:40PM	AHP

Sample ID: S22-F02-030D	Sampling Date: 02 Jun 2022
Sample Description: Caddie	Sampling Time: 11:34 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)	02 Jun 2022 @05:43PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:43PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:43PM	AHP

Sample ID: S22-F02-032D	Sampling Date: 02 Jun 2022
Sample Description: N5	Sampling Time: 12:30 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)	02 Jun 2022 @05:49PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:49PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:49PM	AHP



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Email: ecchemenvironmental@gmail.com

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

Sample ID:	S22-F02-033D	Sampling Date:	02 Jun 2022
Sample Description:	SRCC Boston	Sampling Time:	12:38 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)	02 Jun 2022 @05:52PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:52PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:52PM	AHP

Sample ID:	S22-F02-034D	Sampling Date:	02 Jun 2022
Sample Description:	N4	Sampling Time:	12:45 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)	02 Jun 2022 @05:55PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:55PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:55PM	AHP

Sample ID:	S22-F02-035D	Sampling Date:	02 Jun 2022
Sample Description:	N7	Sampling Time:	12:53 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)	02 Jun 2022 @05:58PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:58PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:58PM	AHP

Sample ID:	S22-F02-036D	Sampling Date:	02 Jun 2022
Sample Description:	Tulfo Residence	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)	02 Jun 2022 @06:01PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:01PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:01PM	AHP

Sample ID:	S22-F02-038D	Sampling Date:	02 Jun 2022
Sample Description:	N2	Sampling Time:	01:20 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)	02 Jun 2022 @06:07PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:07PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:07PM	AHP



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Sample ID:	S22-F02-039D	Sampling Date:	02 Jun 2022
Sample Description:	N1	Sampling Time:	01:28 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)	02 Jun 2022 @06:10PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:10PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:10PM	AHP

Sample ID:	S22-F02-040D	Sampling Date:	02 Jun 2022
Sample Description:	N3	Sampling Time:	01:38 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)	02 Jun 2022 @06:13PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:13PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:13PM	AHP

Sample ID:	S22-F02-043D	Sampling Date:	02 Jun 2022
Sample Description:	N9	Sampling Time:	11:54 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)	02 Jun 2022 @06:22PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:22PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:22PM	AHP

Sample ID:	S22-F02-046D	Sampling Date:	02 Jun 2022
Sample Description:	SBV Condo	Sampling Time:	12:16 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)	02 Jun 2022 @06:31PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:31PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:31PM	AHP

Sample ID:	S22-F02-047D	Sampling Date:	02 Jun 2022
Sample Description:	N6B	Sampling Time:	12:21 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)	02 Jun 2022 @06:34PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:34PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:34PM	AHP



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Notes & References:

*Standard Methods for the Examination of Water and Wastewater, 23rd Edition.
DOH Administrative Order No. 2017-0010, PNSDW 2017.*

Certified by:

 20 Jun 2022
Anita H. Pineda, RMT
Medical Technologist, PRC No. 52546

Approved by:

 20 Jun 2022
MayAnn M. Estavillo, RCh
QA/QC Manager, PRC No. 8652

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TEST REPORT

Client: **Manila Water Philippine Ventures (MWPV)**
Address: **Level 3 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City**
Contact Person: **Ms. Florisza I. Faustino**
COC Number: **2022-F0027**

Test Report No.: **TR-22F-186A**
Date and Time Received: **02 Jun 2022 @04:00PM**
Sampled By: **ECHEM**
Report Date: **20 Jun 2022**

Sample ID:	S22-F02-026D	Sampling Date:	02 Jun 2022
Sample Description:	Deepwell 5	Sampling Time:	11:12 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)	02 Jun 2022 @05:30PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:30PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:30PM	AHP

Sample ID:	S22-F02-031D	Sampling Date:	02 Jun 2022
Sample Description:	Deepwell 8	Sampling Time:	11:40 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)	02 Jun 2022 @05:46PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:46PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @05:46PM	AHP

Sample ID:	S22-F02-041D	Sampling Date:	02 Jun 2022
Sample Description:	Deepwell 7	Sampling Time:	01:47 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)	02 Jun 2022 @06:16PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:16PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:16PM	AHP

Sample ID:	S22-F02-042D	Sampling Date:	02 Jun 2022
Sample Description:	Deepwell 9	Sampling Time:	11:48 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)	02 Jun 2022 @06:19PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:19PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:19PM	AHP



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

Sample ID:	S22-F02-044D	Sampling Date:	02 Jun 2022
Sample Description:	Deepwell 10	Sampling Time:	12:01 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	MFTT Thermotolerant Coliform Test (EC Medium)	02 Jun 2022 @06:25PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:25PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:25PM	AHP

Sample ID:	S22-F02-045D	Sampling Date:	02 Jun 2022
Sample Description:	Deepwell 11	Sampling Time:	12:10 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	MFTT Thermotolerant Coliform Test (EC Medium)	02 Jun 2022 @06:28PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:28PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:28PM	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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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)**
Address: **Level 3 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City**
Contact Person: **Ms. Florisza I. Faustino**
COC Number: **2022-F0027**

Test Report No.: **TR-22F-186A**
Date and Time Received: **02 Jun 2022 @04:00PM**
Sampled By: **ECHEM**
Report Date: **20 Jun 2022**

Sample ID:	S22-F02-037D	Sampling Date:	02 Jun 2022
Sample Description:	Reservoir 1	Sampling Time:	01:12 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)	02 Jun 2022 @06:04PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:04PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:04PM	AHP

Sample ID:	S22-F02-048D	Sampling Date:	02 Jun 2022
Sample Description:	Reservoir 2	Sampling Time:	12:30 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)	02 Jun 2022 @06:37PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:37PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	02 Jun 2022 @06:45PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	02 Jun 2022 @06:37PM	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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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)**
Address: **Level 3 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City**
Contact Person: **Ms. Florisza I. Faustino**
COC Number: **2022-F0027**

Test Report No.: **TR-22F-186B**
Date and Time Received: **02 Jun 2022 @04:00PM**
Sampled By: **ECHEM**
Report Date: **20 Jun 2022**

Sample ID:	S22-F02-022D	Sampling Date:	02 Jun 2022
Sample Description:	BNC Pawikan	Sampling Time:	10:48 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.80	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	<5 @pH 6.99	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectional Odor	TON	No Objectional Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.00 @28.8°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.2	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectional Taste	FTN	No Objectional Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	270	mg/L	600	Gravimetric, Dried @180°C	03 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF

Sample ID:	S22-F02-023D	Sampling Date:	02 Jun 2022
Sample Description:	Beechcroft	Sampling Time:	10:54 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.70	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	5 @pH 7.10	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectional Odor	TON	No Objectional Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.15 @29.0°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.3	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectional Taste	FTN	No Objectional Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	276	mg/L	600	Gravimetric, Dried @180°C	03 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF



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Sample ID:	S22-F02-024D	Sampling Date:	02 Jun 2022
Sample Description:	Villas	Sampling Time:	11:00 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.60	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	5 @pH 7.08	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.10 @29.9°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.3	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	257	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF

Sample ID:	S22-F02-025D	Sampling Date:	02 Jun 2022
Sample Description:	BNC Backdoor	Sampling Time:	11:07 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.70	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	<5 @pH 7.22	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	6.67 @29.8°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.6	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	277	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF



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Sample ID:	S22-F02-027D	Sampling Date:	02 Jun 2022
Sample Description:	Sports Center Common Area	Sampling Time:	11:17 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.60	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	5 @pH 7.11	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	6.15 @28.7°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.6	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	272	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF

Sample ID:	S22-F02-028D	Sampling Date:	02 Jun 2022
Sample Description:	Sports Center Kitchen	Sampling Time:	11:20 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.60	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	5 @pH 6.99	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	6.71 @29.0°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.7	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	268	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF



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Sample ID:	S22-F02-029D	Sampling Date:	02 Jun 2022
Sample Description:	Golf Kitchen	Sampling Time:	11:28 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.70	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	5 @pH 6.97	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.01 @29.5°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.5	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	216	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF

Sample ID:	S22-F02-030D	Sampling Date:	02 Jun 2022
Sample Description:	Caddie	Sampling Time:	11:34 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.60	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	<5 @pH 7.04	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.71 @29.8°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.6	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	264	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF



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Sample ID:	S22-F02-032D	Sampling Date:	02 Jun 2022
Sample Description:	N5	Sampling Time:	12:30 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.80	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	<5 @pH 7.01	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	6.89 @28.7°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.7	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	284	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF

Sample ID:	S22-F02-033D	Sampling Date:	02 Jun 2022
Sample Description:	SRCC Boston	Sampling Time:	12:38 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.60	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	<5 @pH 7.02	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.05 @28.9°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.7	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	270	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF



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Sample ID: S22-F02-034D		Sampling Date: 02 Jun 2022				
Sample Description: N4		Sampling Time: 12:45 PM				
Sample Matrix: Drinking Water		Sampling Location: Anvaya Cove, Morong, Bataan				
Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.70	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	5 @pH 6.98	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.58 @29.0°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.6	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	263	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF

Sample ID: S22-F02-035D		Sampling Date: 02 Jun 2022				
Sample Description: N7		Sampling Time: 12:53 PM				
Sample Matrix: Drinking Water		Sampling Location: Anvaya Cove, Morong, Bataan				
Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.40	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	<5 @pH 7.04	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	6.90 @29.7°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.8	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	264	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF



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

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Email: echemenvironmental@gmail.com

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

Sample ID:	S22-F02-036D	Sampling Date:	02 Jun 2022
Sample Description:	Tulfo Residence	Sampling Time:	01:00 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.70	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	5 @pH 6.96	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.80 @29.1°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.2	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	268	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF

Sample ID:	S22-F02-038D	Sampling Date:	02 Jun 2022
Sample Description:	N2	Sampling Time:	01:20 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.6	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	<5 @pH 6.93	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.17 @28.9°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.2	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	270	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF



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Sample ID:	S22-F02-039D	Sampling Date:	02 Jun 2022
Sample Description:	N1	Sampling Time:	01:28 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.40	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	5 @pH 6.92	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.10 @28.8°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.1	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	251	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF

Sample ID:	S22-F02-040D	Sampling Date:	02 Jun 2022
Sample Description:	N3	Sampling Time:	01:38 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.3	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	5 @pH 6.90	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.26 @29.0°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.4	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	258	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF



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Sample ID:	S22-F02-043D	Sampling Date:	02 Jun 2022
Sample Description:	N9	Sampling Time:	11:54 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.40	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	<5 @pH 6.88	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	6.75 @29.8°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.2	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	240	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF

Sample ID:	S22-F02-046D	Sampling Date:	02 Jun 2022
Sample Description:	SBV Condo	Sampling Time:	12:16 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.6	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	<5 @pH 6.92	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.15 @29.9°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.5	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	254	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF



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Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Sample ID: S22-F02-047D Sampling Date: 02 Jun 2022 Sample Description: N6B Sampling Time: 12:21 PM Sample Matrix: Drinking Water Sampling Location: Anvaya Cove, Morong, Bataan						
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.7	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	<5 @pH 6.89	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.20 @29.7°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.4	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	301	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF

Notes & References:

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

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

Certified by:

Loren Grace D. Montoya 20 Jun 2022
 Loren Grace D. Montoya, RCh
 Chemist, PRC No. 13651

Approved by:

May Ann M. Estavillo 20 Jun 2022
 May Ann M. Estavillo, RCh
 QA/QC Manager, PRC No. 8652

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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

Client: **Manila Water Philippine Ventures (MWPV)** Test Report No.: **TR-22F-186B**
 Address: **Level 3 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Dilliman, Quezon City** Date and Time Received: **02 Jun 2022 @04:00PM**
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**
 COC Number: **2022-F0027** Report Date: **20 Jun 2022**

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	1.0	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	<5 @pH 7.16	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO₃-N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	6.04 @28.9°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.4	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	268	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	1.2	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	<5 @pH 7.02	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO₃-N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	6.68 @28.7°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.6	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	240	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF



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Sample ID:	S22-F02-041D	Sampling Date:	02 Jun 2022
Sample Description:	Deepwell 7	Sampling Time:	01:47 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	1.2	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	5 @pH 6.92	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.05 @29.1°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.4	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	258	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF

Sample ID:	S22-F02-042D	Sampling Date:	02 Jun 2022
Sample Description:	Deepwell 9	Sampling Time:	11:48 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.60	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	<5 @pH 6.88	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	6.80 @29.1°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.4	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	240	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF



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Email: echemenvironmental@gmail.com

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

Sample ID:	S22-F02-044D	Sampling Date:	02 Jun 2022
Sample Description:	Deepwell 10	Sampling Time:	12:01 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	1.0	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	<5 @pH 6.88	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.10 @29.0°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.3	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	253	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF

Sample ID:	S22-F02-045D	Sampling Date:	02 Jun 2022
Sample Description:	Deepwell 11	Sampling Time:	12:10 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	0.80	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	<5 @pH 6.88	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	6.80 @28.9°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.3	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	240	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF



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

Sales: 0942-316-2538 • 0945-798-6962 | (045) 435-2795

Email: echemenvironmental@gmail.com

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:

Grade D. Montoya 20 Jun 2022
Lovely Grade D. Montoya, RCh
Chemist, PRC No. 13651

Approved by:

May Ann M. Estavillo 20 Jun 2022
May Ann M. Estavillo, RCh
QA/QC Manager, PRC No. 8652

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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

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

Test Report No.: **TR-22F-186B**

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

Date and Time Received: **02 Jun 2022 @04:00PM**

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

Sampled By: **ECHEM**

COC Number: **2022-F0027**

Report Date: **20 Jun 2022**

Sample ID:	S22-F02-037D	Sampling Date:	02 Jun 2022
Sample Description:	Reservoir 1	Sampling Time:	01:12 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	1.6	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	5 @pH 6.88	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.10 @28.8°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.2	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	271	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF

Sample ID:	S22-F02-048D	Sampling Date:	02 Jun 2022
Sample Description:	Reservoir 2	Sampling Time:	12:30 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Arsenic	<0.005	mg/L	0.01	Gaseous Hydride Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Cadmium	<0.0003	mg/L	0.003	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Iron	<0.005	mg/L	1.0	Phenanthroline	16 Jun 2022	RRM
Lead	<0.0004	mg/L	0.01	Flame Atomic Absorption Spectroscopy	06 Jun 2022	LDM
Manganese	<0.12	mg/L	0.40	Persulfate	14 Jun 2022	RRM
Chlorine, Residual	1.2	mg/L	0.30-1.50	Colorimetric	02 Jun 2022	MGF
Color, Apparent	<5 @pH 6.88	CU	10	Visual Comparison	03 Jun 2022	CML
Nitrate as NO ₃ -N	<0.10	mg/L	50	Colorimetric, Brucine	03 Jun 2022	RRM
Odor	No Objectionable Odor	TON	No Objectionable Odor	Threshold Odor Test	03 Jun 2022	CML
pH (on-site)	7.05 @28.8°C	---	6.5-8.5	Electrometric	02 Jun 2022	MGF
Sulfate	1.4	mg/L	250	Turbidimetric	08 Jun 2022	CSF
Taste	No Objectionable Taste	FTN	No Objectionable Taste	Flavor Threshold Test	03 Jun 2022	CML
Total Dissolved Solids (TDS)	279	mg/L	600	Gravimetric, Dried @180°C	05 Jun 2022	CML
Turbidity	<1.0	NTU	5.0	Colorimetric	03 Jun 2022	CSF



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Lovely Grace D. Montoya, RCh
Chemist, PRC No. 13651

Approved by:

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