



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.03-014-1820-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-20B-091B**
 Address: **Level 3 2nd Phase, DPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City** Date and Time Received: **04 Feb 2020 @04:30PM**
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**
 COC Number: **2020-B0017** Report Date: **19 Feb 2020**

Sample ID: **S20-B04-005D** Sampling Date: **04 Feb 2020**
 Sample Description: **N5** Sampling Time: **09:35 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID: **S20-B04-006D** Sampling Date: **04 Feb 2020**
 Sample Description: **SRCC Boston** Sampling Time: **09:40 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID: **S20-B04-007D** Sampling Date: **04 Feb 2020**
 Sample Description: **N4** Sampling Time: **09:50 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID: **S20-B04-008D** Sampling Date: **04 Feb 2020**
 Sample Description: **N7** Sampling Time: **10:00 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID: **S20-B04-009D** Sampling Date: **04 Feb 2020**
 Sample Description: **Gregorio Residence** Sampling Time: **10:05 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID: **S20-B04-010D** Sampling Date: **04 Feb 2020**
 Sample Description: **Reservoir 1** Sampling Time: **10:14 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG



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Sample ID:	S20-B04-011D	Sampling Date:	04 Feb 2020
Sample Description:	N2	Sampling Time:	10:21 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID:	S20-B04-012D	Sampling Date:	04 Feb 2020
Sample Description:	N1	Sampling Time:	10:26 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID:	S20-B04-013D	Sampling Date:	04 Feb 2020
Sample Description:	N3	Sampling Time:	10:32 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

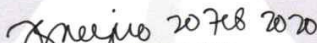
Sample ID:	S20-B04-014D	Sampling Date:	04 Feb 2020
Sample Description:	Deepwell 7	Sampling Time:	10:36 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG


Notes & References:

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

Certified by:


 Leahlyn G. Nerpio, RCh
 Laboratory Manager, PRC No. 12226

Approved by:


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

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TEST REPORT

Client: **Manila Water Philippine Ventures (MWPV)** Test Report No.: **TR-208-091A**
 Address: **Level 3 2nd Phase, DPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Dillman, Quezon City** Date and Time Received: **04 Feb 2020 @04:30PM**
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**
 COC Number: **2020-B0017** Report Date: **13 Feb 2020**

Sample ID: **S20-B04-005D** Sampling Date: **04 Feb 2020**
 Sample Description: **N5** Sampling Time: **09:35 AM**
 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)	04 Feb 2020 @04:36PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @04:36PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @04:36PM	AHP

Sample ID: **S20-B04-006D** Sampling Date: **04 Feb 2020**
 Sample Description: **SRCC Boston** Sampling Time: **09:40 AM**
 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)	04 Feb 2020 @04:39PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @04:39PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @04:39PM	AHP

Sample ID: **S20-B04-007D** Sampling Date: **04 Feb 2020**
 Sample Description: **N4** Sampling Time: **09:50 AM**
 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)	04 Feb 2020 @04:42PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @04:42PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @04:42PM	AHP

Sample ID: **S20-B04-008D** Sampling Date: **04 Feb 2020**
 Sample Description: **N7** Sampling Time: **10:00 AM**
 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)	04 Feb 2020 @04:45PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @04:45PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @04:45PM	AHP

Sample ID: **S20-B04-009D** Sampling Date: **04 Feb 2020**
 Sample Description: **Mr. Gregorio Residence** Sampling Time: **10:05 AM**
 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)	04 Feb 2020 @04:48PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @04:48PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @04:48PM	AHP

Sample ID: **S20-B04-010D** Sampling Date: **04 Feb 2020**
 Sample Description: **Reservoir 1** Sampling Time: **10:14 AM**
 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)	04 Feb 2020 @04:51PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @04:51PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @04:51PM	AHP



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

Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
Sample ID: S20-B04-011D Sampling Date: 04 Feb 2020 Sample Description: N2 Sampling Time: 10:21 AM Sample Matrix: Drinking Water Sampling Location: Anvaya Cove, Morong, Bataan							
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Feb 2020 @04:54PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @04:54PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @04:54PM	AHP
Sample ID: S20-B04-012D Sampling Date: 04 Feb 2020 Sample Description: N1 Sampling Time: 10:26 AM Sample Matrix: Drinking Water Sampling Location: Anvaya Cove, Morong, Bataan							
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Feb 2020 @04:57PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @04:57PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @04:57PM	AHP
Sample ID: S20-B04-013D Sampling Date: 04 Feb 2020 Sample Description: N3 Sampling Time: 10:32 AM Sample Matrix: Drinking Water Sampling Location: Anvaya Cove, Morong, Bataan							
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Feb 2020 @05:00PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:00PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:00PM	AHP
Sample ID: S20-B04-014D Sampling Date: 04 Feb 2020 Sample Description: Deepwell 7 Sampling Time: 10:36 AM Sample Matrix: Drinking Water Sampling Location: Anvaya Cove, Morong, Bataan							
E.coli	Absent	MPN/100 mL	Absent	PASSED	MTFT Thermotolerant Coliform Test (EC Medium)	04 Feb 2020 @05:03PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:03PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:03PM	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 13 Feb 2020
 Anita H. Pineda, RMT
 Medical Technologist, PRC No. 52546

Erlyn G. Nerpio 14 Feb 2020
 Erlyn G. Nerpio, RCh
 Laboratory Manager, PRC No. 12226

Approved by:

May Ann M. Estavillo 14 Feb 2020
 May Ann M. Estavillo, RCh
 QA/QC Manager, PRC No. 8652

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TEST REPORT

Client: **Manila Water Philippine Ventures (MWPV)** Test Report No.: **TR-208-092A**
 Address: **Level 3 2nd Phase, DPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City** Date and Time Received: **04 Feb 2020 @04:30 PM**
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**
 COC Number: **2020-B0018** Report Date: **13 Feb 2020**

Sample ID: **S20-B04-015D** Sampling Date: **04 Feb 2020**
 Sample Description: **BNC Pawikan** Sampling Time: **10:43 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)	04 Feb 2020 @05:06PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:06PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:06PM	AHP

Sample ID: **S20-B04-016D** Sampling Date: **04 Feb 2020**
 Sample Description: **Deepwell 6** 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)	04 Feb 2020 @05:09PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:09PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:09PM	AHP

Sample ID: **S20-B04-017D** Sampling Date: **04 Feb 2020**
 Sample Description: **Beechcroft** Sampling Time: **11:01 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)	04 Feb 2020 @05:12PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:12PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:12PM	AHP

Sample ID: **S20-B04-018D** Sampling Date: **04 Feb 2020**
 Sample Description: **Villas** Sampling Time: **11:04 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)	04 Feb 2020 @05:15PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:15PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:15PM	AHP

Sample ID: **S20-B04-019D** Sampling Date: **04 Feb 2020**
 Sample Description: **BNC Backdoor** Sampling Time: **11:10 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)	04 Feb 2020 @05:18PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:18PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:18PM	AHP

Sample ID: **S20-B04-020D** Sampling Date: **04 Feb 2020**
 Sample Description: **Deepwell 5** Sampling Time: **11:13 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)	04 Feb 2020 @05:21PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:21PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:21PM	AHP



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

Sample ID: **S20-B04-021D** Sampling Date: **04 Feb 2020**
 Sample Description: **Common Area** Sampling Time: **11:22 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)	04 Feb 2020 @05:24PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:24PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:24PM	AHP

Sample ID: **S20-B04-022D** Sampling Date: **04 Feb 2020**
 Sample Description: **Kitchen Sports Center** Sampling Time: **11:19 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)	04 Feb 2020 @05:27PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:27PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:27PM	AHP

Sample ID: **S20-B04-023D** Sampling Date: **04 Feb 2020**
 Sample Description: **Golf Kitchen** Sampling Time: **11:58 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)	04 Feb 2020 @05:30PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:30PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:30PM	AHP

Sample ID: **S20-B04-024D** Sampling Date: **04 Feb 2020**
 Sample Description: **Caddy** 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)	04 Feb 2020 @05:33PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:33PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:33PM	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 13 Feb 2020
 Anita H. Pineda, RMT
 Medical Technologist, PRC No. 52546

Approved by:

Jennylyn G. Nerpio 14 Feb 2020
 Jennylyn G. Nerpio, RCh
 Laboratory Manager, PRC No. 12226

May Ann M. Estavillo 14 Feb 2020
 May Ann M. Estavillo, RCh
 QA/QC Manager, PRC No. 8652

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

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-208-092B**
 Address: **Level 3 2nd Phase, DPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City** Date and Time Received: **04 Feb 2020 @04:30PM**
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**
 COC Number: **2020-B0018** Report Date: **19 Feb 2020**

Sample ID:	S20-B04-015D	Sampling Date:	04 Feb 2020
Sample Description:	BNC Pawikan	Sampling Time:	10:43 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID:	S20-B04-016D	Sampling Date:	04 Feb 2020
Sample Description:	Deepwell 6	Sampling Time:	10:48 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID:	S20-B04-017D	Sampling Date:	04 Feb 2020
Sample Description:	Beechcroft	Sampling Time:	11:01 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID:	S20-B04-018D	Sampling Date:	04 Feb 2020
Sample Description:	Villas	Sampling Time:	11:04 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	0.1	mg/L	1.0	Phenanthroline	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID:	S20-B04-019D	Sampling Date:	04 Feb 2020
Sample Description:	BNC Backdoor	Sampling Time:	11:10 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID:	S20-B04-020D	Sampling Date:	04 Feb 2020
Sample Description:	Deepwell 5	Sampling Time:	11:13 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG



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

Sample ID:	S20-B04-021D	Sampling Date:	04 Feb 2020
Sample Description:	Common Area	Sampling Time:	11:22 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID:	S20-B04-022D	Sampling Date:	04 Feb 2020
Sample Description:	Kitchen Sports Center	Sampling Time:	11:19 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID:	S20-B04-023D	Sampling Date:	04 Feb 2020
Sample Description:	Golf Kitchen	Sampling Time:	11:58 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID:	S20-B04-024D	Sampling Date:	04 Feb 2020
Sample Description:	Caddy	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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Notes & References:

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

Certified by:

Jennylyn G. Nerpio 20 Feb 2020
Jennylyn G. Nerpio, RCh
Laboratory Manager, PRC No. 12226

Approved by:

May Ann M. Estavillo 20 Feb 2020
May Ann M. Estavillo, RCh
QA/QC Manager, PRC No. 8652

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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-20B-093A**
 Address: **Level 3 2nd Phase, DPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City** Date and Time Received: **04 Feb 2020@04:30 PM**
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**
 COC Number: **2020-B0019** Report Date: **13 Feb 2020**

Sample ID: **S20-B04-025D** Sampling Date: **04 Feb 2020**
 Sample Description: **Deepwell 8** Sampling Time: **12:09 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)	04 Feb 2020 @05:36PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:36PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:36PM	AHP

Sample ID: **S20-B04-026D** Sampling Date: **04 Feb 2020**
 Sample Description: **Depwell 9** Sampling Time: **12:15 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)	04 Feb 2020 @05:39PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:39PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:39PM	AHP

Sample ID: **S20-B04-027D** Sampling Date: **04 Feb 2020**
 Sample Description: **N9** Sampling Time: **12:23 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)	04 Feb 2020 @05:42PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:42PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:42PM	AHP

Sample ID: **S20-B04-028D** Sampling Date: **04 Feb 2020**
 Sample Description: **Deepwell 10** Sampling Time: **12:28 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)	04 Feb 2020 @05:45PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:45PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:45PM	AHP



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

Sample ID: S20-B04-029D	Sampling Date: 04 Feb 2020
Sample Description: SBV Condo	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	MFTT Thermotolerant Coliform Test (EC Medium)	04 Feb 2020 @05:48PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:48PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:48PM	AHP

Sample ID: S20-B04-030D	Sampling Date: 04 Feb 2020
Sample Description: N6 B	Sampling Time: 12:42 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)	04 Feb 2020 @05:51PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:51PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:51PM	AHP

Sample ID: S20-B04-031D	Sampling Date: 04 Feb 2020
Sample Description: Reservoir 2	Sampling Time: 12:35 PM
Sample Matrix: Drinking Water	Sampling Location: Anvaya Cove, Morong, Bataan

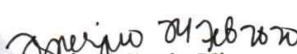
Parameter	Result	Unit	Limit	Remarks	Method	Date Analyzed	Analyst
E.coli	Absent	MPN/100 mL	Absent	PASSED	MFTT Thermotolerant Coliform Test (EC Medium)	04 Feb 2020 @05:54PM	AHP
Thermotolerant Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:54PM	AHP
Heterotrophic Plate Count (HPC)	<1	CFU/mL	< 500	PASSED	Pour Plate	04 Feb 2020 @06:00PM	AHP
Total Coliform	<1.1	MPN/100 mL	< 1.1	PASSED	Multiple Tube Fermentation Technique	04 Feb 2020 @05:54PM	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


Evelyn B. Nerpio, RCh
 Laboratory Manager, PRC No. 12226

Approved by:


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

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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-20B-093B**
 Address: **Level 3 2nd Phase, DPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City** Date and Time Received: **04 Feb 2020 @04:30PM**
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**
 COC Number: **2020-B0019** Report Date: **19 Feb 2020**

Sample ID: **S20-B04-025D** Sampling Date: **04 Feb 2020**
 Sample Description: **Deepwell 8** Sampling Time: **12:09 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID: **S20-B04-026D** Sampling Date: **04 Feb 2020**
 Sample Description: **Depwell 9** Sampling Time: **12:15 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID: **S20-B04-027D** Sampling Date: **04 Feb 2020**
 Sample Description: **N9** 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID: **S20-B04-028D** Sampling Date: **04 Feb 2020**
 Sample Description: **Deepwell 10** Sampling Time: **12:28 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Sample ID: **S20-B04-029D** Sampling Date: **04 Feb 2020**
 Sample Description: **SBV Condo** Sampling Time: **12:30 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG



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Sample ID:	S20-B04-030D	Sampling Date:	04 Feb 2020
Sample Description:	N6B	Sampling Time:	12:42 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	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

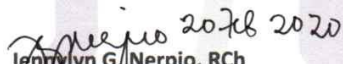
Sample ID:	S20-B04-031D	Sampling Date:	04 Feb 2020
Sample Description:	Reservoir 2	Sampling Time:	12:35 PM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Iron	<0.10	mg/L	1.0	Phenanthroline	13 Feb 2020	SAG
Manganese	<0.14	mg/L	0.40	Persulfate	18 Feb 2020	SAG

Notes & References:

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

Certified by:


Jennylyn G. Nerpio, RCh
Laboratory Manager, PRC No. 12226

Approved by:


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

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