



### 8REPORT OF ANALYSIS

Req. Ref. No. : CAR-042019-MIC-0270  
 Date Submitted : April 8, 2019  
 Date Analyzed : April 8-10, 2019  
 Date Reported : April 11, 2019  
 Submitted by : Customer Name :  
 Name of Company : **LA TRINIDAD WATER DISTRICT**  
 Address : Km. 4, Balili, La Trinidad, Benguet

Page : Page 1 of 2

SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2017)
MIC-0629 to MIC-0645	17 Domestic water samples from terminal points placed in sterilized reagent bottle and with written label, 2 <sub>T</sub> , 3 <sub>T</sub> , 4 <sub>T</sub> , 5 <sub>T</sub> , 6 <sub>T</sub> , 8 <sub>T</sub> , 9 <sub>T</sub> , 12 <sub>T</sub> , 14 <sub>T</sub> , Lubas <sub>T</sub> , JICA <sub>T1</sub> , JICA <sub>T2</sub> , PPSS <sub>T1</sub> , SWAMP <sub>T</sub> , A <sub>T</sub> , PICOWELL <sub>T1</sub> and PICOWELL <sub>T2</sub>	Total Coliform Count	2 <sub>T</sub> – <1.1 MPN/100 mL* 3 <sub>T</sub> – <1.1 MPN/100 mL* 4 <sub>T</sub> – <1.1 MPN/100 mL* 5 <sub>T</sub> – <1.1 MPN/100 mL* 6 <sub>T</sub> – <1.1 MPN/100 mL* 8 <sub>T</sub> – <1.1 MPN/100 mL* 9 <sub>T</sub> – <1.1 MPN/100 mL* 12 <sub>T</sub> – <1.1 MPN/100 mL* 14 <sub>T</sub> – <1.1 MPN/100 mL* Lubas <sub>T</sub> – <1.1 MPN/100 mL* JICA <sub>T1</sub> – <1.1 MPN/100 mL* JICA <sub>T2</sub> – <1.1 MPN/100 mL* PPSS <sub>T1</sub> – <1.1 MPN/100 mL* SWAMP <sub>T</sub> – <1.1 MPN/100 mL* A <sub>T</sub> – <1.1 MPN/100 mL* PICOWELL <sub>T1</sub> – <1.1 MPN/100 mL* PICOWELL <sub>T2</sub> – <1.1 MPN/100 mL*	<1.1 MPN/100 mL
		<i>E. coli</i>	All samples (terminal) – <1.1 MPN/100 mL**	<1.1 MPN/100 mL
		Heterotrophic Plate Count	2 <sub>T</sub> – <1** CFU/mL 3 <sub>T</sub> – <1** CFU/mL 4 <sub>T</sub> – 4** CFU/mL 5 <sub>T</sub> – <1** CFU/mL 6 <sub>T</sub> – <1** CFU/mL 8 <sub>T</sub> – 39 CFU/mL 9 <sub>T</sub> – <1** CFU/mL 12 <sub>T</sub> – <1** CFU/mL 14 <sub>T</sub> – <1** CFU/mL Lubas <sub>T</sub> – 1** CFU/mL JICA <sub>T1</sub> – <1** CFU/mL JICA <sub>T2</sub> – 164 CFU/mL PPSS <sub>T1</sub> – <1** CFU/mL SWAMP <sub>T</sub> – <1** CFU/mL A <sub>T</sub> – <1** CFU/mL PICOWELL <sub>T1</sub> – <1** CFU/mL PICOWELL <sub>T2</sub> – 2** CFU/mL	<500 CFU/mL



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### METHODOLOGY:

#### Total Coliform Count / *Escherichia coli*

Multiple Tube Fermentation Technique-Most Probable Number (MPN). Following Standard Methods for the Examination of Water and Waste Water, 23<sup>rd</sup> Edition 2017, Microbiological Examination 9000: 9221B; 9223A and B (Modified) and in accordance with Merck Microbiological Manual, 12<sup>th</sup> Edition.

#### Heterotrophic Plate Count.

Pour Plate - Colony Forming Units (CFU) per mL. Following Standard Methods for the Examination of Water and Waste Water, 23<sup>rd</sup> Edition 2017, Microbiological Examination 9000: 9050C; 9215A and B.

**REMARKS: Domestic water samples from all terminal points are NEGATIVE for *E. coli*. Heterotrophic Plate Count of all water samples are within the standard limit set by the PNSDW.**

The results given in this report are those obtained at the time of test and refer only to the particular sample submitted. This report shall not be reproduced except in full, without the written approval of the laboratory.

\* Not PAB Accredited

\*\* Estimated Heterotrophic Plate Count

Analyzed by:

Certified by:

Approved for Release by:

  
**CLARISA ANGELLI N. LUBRICA**  
Approved PAB Signatory

  
**JAMIE BETH B. GALIAN**  
Technical Manager

  
**ANGEL L. MAGUEN**  
Quality Manager

Note: Not valid without DOST-CAR seal





DENR RECOGNIZED  
C.R No. 078/2015

FDA ACCREDITED  
FDA LA-2014-018

DOH ACCREDITED  
14-001-17-LW-1

### REPORT OF ANALYSIS

Req. Ref. No. : CAR-042019-MIC-0269 and MIC-0272  
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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2017)
MIC-0611 to 0628 and MIC-0649 to MIC-0659	17 Domestic water samples from source points placed in sterilized reagent bottles and with written labels, 2s, 3s, 4s, 5s, 6s, 8s, 9s, 12s, 14s, Lubas <sub>s</sub> , As, PPSS <sub>s</sub> , JICA <sub>s1</sub> , JICA <sub>s2</sub> , SWAMP <sub>s</sub> Pico <sub>s</sub> and Pico <sub>s2</sub> .	Total Coliform Count	2 <sub>s</sub> – >8* MPN/100 mL 3 <sub>s</sub> – <1.1* MPN/100 mL 4 <sub>s</sub> – >8* MPN/100 mL 5 <sub>s</sub> – <1.1* MPN/100 mL 6 <sub>s</sub> – <1.1* MPN/100 mL 8 <sub>s</sub> – <1.1* MPN/100 mL 9 <sub>s</sub> – 8* MPN/100 mL 12 <sub>s</sub> – >8* MPN/100mL 14 <sub>s</sub> – >8* MPN/100mL Lubas <sub>s</sub> – >8* MPN/100mL As – 4.6* MPN/100 mL PPSS <sub>s</sub> – >8* MPN/100mL JICA <sub>s1</sub> – >8* MPN/100mL JICA <sub>s2</sub> – >8* MPN/100mL Swamps – <1.1* MPN/100mL Pico <sub>s1</sub> – <1.1* MPN/100mL Pico <sub>s2</sub> – >8* MPN/100mL	<1.1 MPN/100mL
		E. coli	2 <sub>s</sub> – >8* MPN/100 mL 4 <sub>s</sub> – >8* MPN/100 mL 9 <sub>s</sub> – 8 MPN/100 mL 12 <sub>s</sub> – >8* MPN/100mL 14 <sub>s</sub> – >8* MPN/100mL Lubas <sub>s</sub> – >8* MPN/100mL As – 4.6* MPN/100 mL PPSS <sub>s</sub> – >8* MPN/100mL JICA <sub>s1</sub> – >8* MPN/100mL JICA <sub>s2</sub> – >8* MPN/100mL Pico <sub>s2</sub> – >8* MPN/100mL	<1.1 MPN/100mL



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		<b>Heterotrophic Plate Count</b>	2 <sub>s</sub> – 1,550 CFU/mL 3 <sub>s</sub> – 11** CFU/mL 4 <sub>s</sub> – 95 CFU/mL 5 <sub>s</sub> – 20** CFU/mL 6 <sub>s</sub> – 81 CFU/mL 8 <sub>s</sub> – 91 CFU/mL 9 <sub>s</sub> – 1,010 CFU/mL 12 <sub>s</sub> – 190 CFU/mL 14 <sub>s</sub> – 455 CFU/mL Lubass – 6,950 CFU/mL As – 101 CFU/mL PPSS <sub>s</sub> – 11,450 CFU/mL JICA <sub>s1</sub> – 221 CFU/mL JICA <sub>s2</sub> – 9,200 CFU/mL Swamp <sub>s</sub> – 670 CFU/mL Pico <sub>s1</sub> – 23** CFU/100mL Pico <sub>s2</sub> – 1,095 CFU/100mL	<b>&lt;500 CFU/mL</b>
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#### METHODOLOGY:

##### Total Coliform Count / *Escherichia coli*

Multiple Tube Fermentation Technique-Most Probable Number (MPN). Following Standard Methods for the Examination of Water and Waste Water, 23<sup>rd</sup> Edition 2017, Microbiological Examination 9000: 9221B; 9223A and B (Modified) and in accordance with Merck Microbiological Manual, 12<sup>th</sup> Edition.

##### Heterotrophic Plate Count.

Pour Plate - Colony Forming Units (CFU) per mL. Following Standard Methods for the Examination of Water and Waste Water, 23<sup>rd</sup> Edition 2017, Microbiological Examination 9000: 9050C; 9215A and B.

**REMARKS: Domestic water samples from 2<sub>s</sub>, 4<sub>s</sub>, 9<sub>s</sub>, 12<sub>s</sub>, 14<sub>s</sub>, Lubass, As, PPSS<sub>s</sub>, JICA<sub>s1</sub>, JICA<sub>s2</sub> and Pico<sub>s2</sub> are POSITIVE for *E. coli*.**

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\*\*Estimated Heterotrophic Plate Count

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Certified by:

Approved for Release by:

**MARVI JOY L. BALABAG**

Approved PAB Signatory

Note: Not valid without DOST-CAR seal

**JAMIE BETH B. GALIAN**

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		E. coli	2s – >8* MPN/100 mL 4s – >8* MPN/100 mL 9s – 8 MPN/100 mL 12s – >8* MPN/100mL 14s – >8* MPN/100mL Lubas <sub>s</sub> – >8* MPN/100mL As – 4.6* MPN/100 mL PPSS <sub>s</sub> – >8* MPN/100mL JICA <sub>s1</sub> – >8* MPN/100mL JICA <sub>s2</sub> – >8* MPN/100mL Pico <sub>s2</sub> – >8* MPN/100mL	<1.1 MPN/100mL

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