



### REPORT OF ANALYSIS

Req. Ref. No. : CAR-092018-MIC-0711  
 Date Submitted : September 10, 2018  
 Date Analyzed : September 10-12, 2018  
 Date Reported : September 13, 2018  
 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, 2007)
MIC-1482 to MIC-1500	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> – 6* CFU/mL 5 <sub>T</sub> – 2* CFU/mL 6 <sub>T</sub> – <1* CFU/mL 8 <sub>T</sub> – 15* 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> – 9* CFU/mL JICA <sub>T1</sub> – <1* CFU/mL JICA <sub>T2</sub> – 26* CFU/mL PPSS <sub>T1</sub> – 27* 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> – <1* 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.

\*Estimated Heterotrophic Plate Count

Analyzed by:

*Clarisa*  
**CLARISA ANGELLI N. LUBRICA**  
Analyst

Certified by:

*Jamie Beth B. Galian*  
**JAMIE BETH B. GALIAN**  
Approved PAB Signatory

Approved for Release by:

*Angel L. Maguen*  
**ANGEL L. MAGUEN**  
Quality Manager

Note: Not valid without DOST-CAR seal





### REPORT OF ANALYSIS

Req. Ref. No. : CAR-092018-MIC-0712 and MIC-0721  
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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2007)
MIC- 1501 to 1517 and MIC- 1528 to 1538	17 Domestic water samples from source points placed in sterilized reagent bottles and with written labels, 2 <sub>s</sub> , 3 <sub>s</sub> , 4 <sub>s</sub> , 5 <sub>s</sub> , 6 <sub>s</sub> , 8 <sub>s</sub> , 9 <sub>s</sub> , 12 <sub>s</sub> , 14 <sub>s</sub> , Lubas <sub>s</sub> , As <sub>s</sub> , 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> - >8 MPN/100 mL 4 <sub>s</sub> - >8 MPN/100 mL 5 <sub>s</sub> - <1.1 MPN/100 mL 6 <sub>s</sub> - >8 MPN/100 mL 8 <sub>s</sub> - <1.1 MPN/100 mL 9 <sub>s</sub> - <1.1 MPN/100 mL 12 <sub>s</sub> - <1.1 MPN/100 mL 14 <sub>s</sub> - >8 MPN/100mL Lubas <sub>s</sub> - >8 MPN/100mL As - 4.6 MPN/100 mL PPSS <sub>s</sub> - <1.1 MPN/100mL JICA <sub>s1</sub> - >8.0 MPN/100mL JICA <sub>s2</sub> - 4.6 MPN/100mL Swamp <sub>s</sub> - >8 MPN/100mL Pico <sub>s1</sub> - >8.0 MPN/100mL Pico <sub>s2</sub> - 4.6 MPN/100mL	<1.1 MPN/100mL
		E. coli	2 <sub>s</sub> - >8 MPN/100 mL 3 <sub>s</sub> - >8 MPN/100 mL 4 <sub>s</sub> - 4.6 MPN/100 mL 6 <sub>s</sub> - >8 MPN/100 mL 14 <sub>s</sub> - >8 MPN/100mL Lubas <sub>s</sub> - >8 MPN/100mL As - 4.6 MPN/100 mL JICA <sub>s1</sub> - >8.0 MPN/100mL JICA <sub>s2</sub> - <1.1 MPN/100mL Pico <sub>s1</sub> - >8.0 MPN/100mL Pico <sub>s2</sub> - 4.6 MPN/100mL	<1.1 MPN/100mL



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		<b>Heterotrophic Plate Count</b>	2 <sub>s</sub> – 62 CFU/mL 3 <sub>s</sub> – 1,785 CFU/mL 4 <sub>s</sub> – 15* CFU/mL 5 <sub>s</sub> – 24* CFU/mL 6 <sub>s</sub> – 34 CFU/mL 8 <sub>s</sub> – 110 CFU/mL 9 <sub>s</sub> – <1* CFU/mL 12 <sub>s</sub> – 63 CFU/mL 14 <sub>s</sub> – 1,280 CFU/mL Lubass – 520 CFU/mL A <sub>s</sub> – 49 CFU/mL PPSS <sub>s</sub> – 238 CFU/mL JICA <sub>s1</sub> – 27* CFU/mL JICA <sub>s2</sub> – 16* CFU/mL Swamp <sub>s</sub> – 91 CFU/mL Pico <sub>s1</sub> – 24* CFU/100mL Pico <sub>s2</sub> – 1,380 CFU/100mL	<500 CFU/mL
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#### METHODOLOGY:

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

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##### 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>, 3<sub>s</sub>, 4<sub>s</sub>, 6<sub>s</sub>, 14<sub>s</sub>, A<sub>s</sub>, Lubass, JICA<sub>s1</sub>, Pico<sub>s1</sub>, and Pico<sub>s2</sub> are POSITIVE for *E. coli*.**


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\* Estimated Heterotrophic Plate Count

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Analyst

Certified by:

  
**JAMIE BETH B. GALIAN**  
Approved PAB Signatory

Approved for Release by:

  
**ANGEL L. MAGUEN**  
Quality Manager

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		E. coli	2 <sub>s</sub> – >8 MPN/100 mL 3 <sub>s</sub> – >8 MPN/100 mL 4 <sub>s</sub> – 4.6 MPN/100 mL 6 <sub>s</sub> – >8 MPN/100 mL 14 <sub>s</sub> – >8 MPN/100mL Lubas <sub>s</sub> – >8 MPN/100mL As – 4.6 MPN/100 mL JICA <sub>s1</sub> – >8.0 MPN/100mL JICA <sub>s2</sub> – <1.1 MPN/100mL Pico <sub>s1</sub> – >8.0 MPN/100mL Pico <sub>s2</sub> – 4.6 MPN/100mL	<1.1 MPN/100mL



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