



8REPORT OF ANALYSIS

Req. Ref. No. : CAR-032019-MIC-0229
 Date Submitted : March 12, 2019
 Date Analyzed : March 12-14, 2019
 Date Reported : March 15, 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-0502 to 0518	17 Domestic water samples from terminal points placed in sterilized reagent bottle and with written label, 2 _T , 3 _T , 4 _T , 5 _T , 6 _T , 8 _T , 9 _T , 12 _T , 14 _T , Lubas _T , JICA _{T1} , JICA _{T2} , PPSS _{T1} , SWAMP _T , A _T , PICOWELL _{T1} and PICOWELL _{T2}	Total Coliform Count	2 _T – <1.1 MPN/100 mL* 3 _T – <1.1 MPN/100 mL* 4 _T – <1.1 MPN/100 mL* 5 _T – <1.1 MPN/100 mL* 6 _T – <1.1 MPN/100 mL* 8 _T – <1.1 MPN/100 mL* 9 _T – <1.1 MPN/100 mL* 12 _T – <1.1 MPN/100 mL* 14 _T – <1.1 MPN/100 mL* Lubas _T – <1.1 MPN/100 mL* JICA _{T1} – <1.1 MPN/100 mL* JICA _{T2} – <1.1 MPN/100 mL* PPSS _{T1} – <1.1 MPN/100 mL* SWAMP _T – <1.1 MPN/100 mL* A _T – <1.1 MPN/100 mL* PICOWELL _{T1} – <1.1 MPN/100 mL* PICOWELL _{T2} – <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 _T – <1** CFU/mL 3 _T – <1** CFU/mL 4 _T – <1** CFU/mL 5 _T – <1** CFU/mL 6 _T – <1** CFU/mL 8 _T – 34 CFU/mL 9 _T – <1** CFU/mL 12 _T – <1** CFU/mL 14 _T – 5** CFU/mL Lubas _T – 1** CFU/mL JICA _{T1} – <1** CFU/mL JICA _{T2} – <1** CFU/mL PPSS _{T1} – 2** CFU/mL SWAMP _T – <1** CFU/mL A _T – <1** CFU/mL PICOWELL _{T1} – <1** CFU/mL PICOWELL _{T2} – <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, 23rd Edition 2017, Microbiological Examination 9000: 9221B; 9223A and B (Modified) and in accordance with Merck Microbiological Manual, 12th Edition.

Heterotrophic Plate Count.

Pour Plate - Colony Forming Units (CFU) per mL. Following Standard Methods for the Examination of Water and Waste Water, 23rd 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

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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2017)
MIC-0521 to 0537 and MIC-0539 to MIC-0546	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 _s , A _s , PPSS _s , JICA _{s1} , JICA _{s2} , SWAMP _s Pico _s and Pico _{s2} .	Total Coliform Count	2 _s – >8* MPN/100 mL 3 _s – <1.1* MPN/100 mL 4 _s – >8* MPN/100 mL 5 _s – <1.1* MPN/100 mL 6 _s – <1.1* MPN/100 mL 8 _s – >8* MPN/100 mL 9 _s – <1.1* MPN/100 mL 12 _s – >8* MPN/100mL 14 _s – >8* MPN/100mL Lubas _s – >8* MPN/100mL A _s – >8* MPN/100 mL PPSS _s – <1.1* MPN/100mL JICA _{s1} – >8* MPN/100mL JICA _{s2} – <1.1* MPN/100mL Swamp _s – <1.1* MPN/100mL Pico _{s1} – <1.1* MPN/100mL Pico _{s2} – <1.1* MPN/100mL	<1.1 MPN/100mL
		E. coli	2 _s – >8* MPN/100 mL 4 _s – >8* MPN/100 mL 8 _s – >8* MPN/100mL 12 _s – >8* MPN/100mL 14 _s – >8* MPN/100mL JICA _{s1} – >8* MPN/100mL Lubas _s – >8* MPN/100mL A _s – >8* MPN/100 mL	<1.1 MPN/100mL



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		Heterotrophic Plate Count	2 _s – 285 CFU/mL 3 _s – 187 CFU/mL 4 _s – 2** CFU/mL 5 _s – 16** CFU/mL 6 _s – 127 CFU/mL 8 _s – 5,100 CFU/mL 9 _s – <1** CFU/mL 12 _s – 5,750 CFU/mL 14 _s – 3,850 CFU/mL Lubass – 11** CFU/mL As – 8,100 CFU/mL PPSS _s – 39 CFU/mL JICA _{s1} – 350 CFU/mL JICA _{s2} – 93 CFU/mL Swamp _s – 225 CFU/mL Pico _{s1} – <1** CFU/100mL Pico _{s2} – 6** CFU/100mL	<500 CFU/mL
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METHODOLOGY:

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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, 23rd Edition 2017, Microbiological Examination 9000: 9050C; 9215A and B.

REMARKS: Domestic water samples from 2_s, 4_s, 12_s, 14_s, JICA_{s1}, Lubass, and As, are POSITIVE for *E. coli*.

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**Estimated Heterotrophic Plate Count

Analyzed by:

MARVIN L. BALABAG
Approved PAB Signatory

Certified by:

JAMIE BETH B. GALIAN
Technical Manager

Approved for Release by:

ANGEL L. MAGUEN
Quality Manager

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DENR RECOGNIZED
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		E. coli	2s – >8* MPN/100 mL 4s – >8* MPN/100 mL 8s – >8* MPN/100mL 12s – >8* MPN/100mL 14s – >8* MPN/100mL JICA _{s1} – >8* MPN/100mL Lubass – >8* MPN/100mL As – >8* MPN/100 mL	<1.1 MPN/100mL

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Technical Manager

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ANGEL L. MAGUEN
Quality Manager

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