



8REPORT OF ANALYSIS

Req. Ref. No. : CAR-122018-MIC-0846
Date Submitted : December 12, 2018
Date Analyzed : December 12-14, 2018
Date Reported : December 17, 2018
Submitted by : Customer Name :
Name of Company : **LA TRINIDAD WATER DISTRICT**
Address : Km. 4, Balili, La Trinidad, Benguet

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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2007)
MIC-1891 to 1907	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 – 25** CFU/mL 9 _T – <1** CFU/mL 12 _T – <1** CFU/mL 14 _T – <1** CFU/mL Lubas _T – <1** CFU/mL JICA _{T1} – <1** CFU/mL JICA _{T2} – <1 CFU/mL PPSS _{T1} – <1** 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:


CLARISA ANGELLI N. LUBRICA
Analyst

Certified by:


JAMIE BETH B. GALIAN
Approved PAB Signatory

Approved for Release by:


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-122018-MIC-0847 and MIC-0848
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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2007)
MIC-1910 to 1926 and MIC-1927 to MIC-1935	17 Domestic water samples from source points placed in sterilized reagent bottles and with written labels, 2 _s , 3 _s , 4 _s , 5 _s , 6 _s , 8 _s , 9 _s , 12 _s , 14 _s , Lubas _s , As _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 – 8.0* MPN/100 mL 5 _s – <1.1* MPN/100 mL 6 _s – 8.0* MPN/100 mL 8 _s – <1.1* MPN/100 mL 9 _s – <1.1* MPN/100 mL 12 _s – <1.1* MPN/100mL 14 _s – 8.0* MPN/100mL Lubas _s – <1.1* MPN/100mL As – >8* MPN/100 mL PPSS _s – >8* MPN/100mL JICA _{s1} – 8.0* MPN/100mL JICA _{s2} – <1.1* MPN/100mL Swamp _s – 2.6* MPN/100mL Pico _{s1} – 2.6* MPN/100mL Pico _{s2} – <1.1* MPN/100mL	<1.1 MPN/100mL
		E. coli	2 _s – >8* MPN/100 mL 4 _s – <1.1* MPN/100 mL 6 _s – <1.1* MPN/100 mL 14 _s – 8.0* MPN/100mL As – >8* MPN/100 mL PPSS _s – >8* MPN/100mL JICA _{s1} – 8.0* MPN/100mL Swamp _s – 2.6* MPN/100mL Pico _{s1} – 2.6* MPN/100mL	<1.1 MPN/100mL

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		Heterotrophic Plate Count	2s - 217 CFU/mL 3s - 62 CFU/mL 4s - <1** CFU/mL 5s - 19** CFU/mL 6s - 375 CFU/mL 8s - 80 CFU/mL 9s - 4** CFU/mL 12s - <1** CFU/mL 14s - 6** CFU/mL Lubass - <1** CFU/mL As - 28** CFU/mL PPSSs - 3,400 CFU/mL JICA _{s1} - <1** CFU/mL JICA _{s2} - 45 CFU/mL Swamp _s - 195 CFU/mL Pico _{s1} - 15** CFU/100mL Pico _{s2} - 114 CFU/100mL	<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 2s, 14s, As, PPSSs, JICA_{s1}, Swamp_s, and Pico_{s1} are POSITIVE for *E. coli*.

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**Estimated Heterotrophic Plate Count

Analyzed by:

MARVI JOY D. BALABAG
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 _s – >8* MPN/100 mL 4 _s – <1.1* MPN/100 mL 6 _s – <1.1* MPN/100 mL 14 _s – 8.0* MPN/100mL As _s – >8* MPN/100 mL PPSS _s – >8* MPN/100mL JICA _{s1} – 8.0* MPN/100mL Swamp _s – 2.6* MPN/100mL Pico _{s1} – 2.6* MPN/100mL	<1.1 MPN/100mL



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Quality Manager

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