



REPORT OF ANALYSIS

Req. Ref. No. : CAR-102018-MIC-0768
 Date Submitted : October 8, 2018
 Date Analyzed : October 8-10, 2018
 Date Reported : October 11, 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-1677 to MIC-1693	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 – 6* CFU/mL 3 _T – < 1* CFU/mL 4 _T – < 1* CFU/mL 5 _T – 1* CFU/mL 6 _T – < 1* CFU/mL 8 _T – 235 CFU/mL 9 _T – < 1* CFU/mL 12 _T – < 1* CFU/mL 14 _T – 2* CFU/mL Lubas _T – 1* CFU/mL JICA _{T1} – < 1* CFU/mL JICA _{T2} – 89 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.

* Estimated Heterotrophic Plate Count

**Non-PAB Accredited

Analyzed by:

Certified by:

Approved for Release by:


CLARISA ANGELLI N. LUBRICA
Analyst


JAMIE BETH B. GALIAN
Approved PAB Signatory


ANGEL L. MAGUEN
Quality Manager

Note: Not valid without DOST-CAR seal



REPORT OF ANALYSIS

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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2007)
MIC-1660 to 1676 and MIC-1696 to MIC-1703	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 , As _s , PPSS _s , JICA _{s1} , JICA _{s2} , SWAMP _s , Pico _{s1} and Pico _{s2} .	Total Coliform Count**	2s – >8 MPN/100 mL 3s – <1.1 MPN/100 mL 4s – >8 MPN/100 mL 5s – <1.1 MPN/100 mL 6s – <1.1 MPN/100 mL 8s – <1.1 MPN/100 mL 9s – <1.1 MPN/100 mL 12s – 8.0 MPN/100mL 14s – >8 MPN/100mL Lubas _s – >8 MPN/100mL As – >8 MPN/100 mL PPSS _s – 4.6 MPN/100mL JICA _{s1} – <1.1 MPN/100mL JICA _{s2} – <1.1 MPN/100mL Swamp _s – <1.1MPN/100mL Pico _{s1} – >8.0 MPN/100mL Pico _{s2} – <1.1 MPN/100mL	<1.1 MPN/100mL
		E. coli**	2s – >8 MPN/100 mL 4s – 4.6 MPN/100 mL 12s – <1.1 MPN/100mL 14s – >8 MPN/100mL As – >8 MPN/100 mL PPSS _s – 8.0 MPN/100mL Lubas _s – >8 MPN/100MI Pico _{s1} – 8.0 MPN/100mL	<1.1 MPN/100mL



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		Heterotrophic Plate Count	2 _s – 1,270 CFU/mL 3 _s – <1* CFU/mL 4 _s – 11* CFU/mL 5 _s – 22* CFU/mL 6 _s – <1* CFU/mL 8 _s – <1* CFU/mL 9 _s – 26* CFU/mL 12 _s – 13* CFU/mL 14 _s – 1,995 CFU/mL Lubass – 1,180 CFU/mL A _s – <1* CFU/mL PPSS _s – 540 CFU/mL JICA _{s1} – 174 CFU/mL JICA _{s2} – <1* CFU/mL Swamp _s – 76 CFU/mL Pico _{s1} – 80 CFU/100mL Pico _{s2} – 197 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, 14_s, A_s, Lubass, PPSS_s and Pico_{s1} are POSITIVE for *E. coli*.

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* Estimated Heterotrophic Plate Count

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CLARISA ANGELLI N. LUBRICA
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		E. coli**	2s - >8 MPN/100 mL 4s - 4.6 MPN/100 mL 12s - <1.1 MPN/100mL 14s - >8 MPN/100mL As - >8 MPN/100 mL PPSSs - 8.0 MPN/100mL Lubass - >8 MPN/100MI Pico _{s1} - 8.0 MPN/100mL	<1.1 MPN/100mL

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