



REPORT OF ANALYSIS

Req. Ref. No. : CAR-012018-MIC-0063; MIC-0070
Date Submitted : January 11, 2018
Date Analyzed : January 11-13, 2018
Date Reported : January 15, 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, 2017)
MIC-0079 to MIC-0094 and MIC 0126	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 , 9 _T , 12 _T , 14 _T , Lubas _T , JICA _{T1} , JICA _{T2} , PPSS _{T1} , SWAMP _T , A _T , PICOWELL _{T1} and PICOWELL _{T2} , 8 _T	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 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 8 _T – <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 9 _T – <1* CFU/mL 12 _T – 2* 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 8 _T – <1* CFU/mL	<500 CFU/mL



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Page : Page 2 of 2

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, 22nd Edition 2012, Microbiological Examination 9000: 9215B; 9221A, B and C; 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, 22nd Edition 2012, Microbiological Examination 9000: 9215A and B.

REMARKS: Domestic water samples from all terminal points 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:

Certified by:

Confirmed and Approved for Release by:


CLARISA ANGELLI L. NAGPALA
Analyst


JAMIE BETH B. GALIAN
Approved PAB Signatory


NANCY A. BANTOG
Quality Manager

Note: Not valid without DOST-CAR seal



REPORT OF ANALYSIS

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Page : Page 1 of 2

SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2017)
MIC-0097 to 0113 and MIC-0114 to MIC-0121	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 MPN/100 mL 5 _s – <1.1 MPN/100 mL 6 _s – <1.1 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 MPN/100mL Lubas _s – 4.6 MPN/100mL As – >8 MPN/100 mL PPSS _s – 4.6 MPN/100mL JICA _{s1} – >8 MPN/100mL JICA _{s2} – <1.1 MPN/100mL Swamp _s – 4.6 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 – 4.6 MPN/100 mL 14 _s – >8 MPN/100mL Lubas _s – 4.6 MPN/100MI As – >8 MPN/100 mL PPSS _s – <1.1 MPN/100mL JICA _{s1} – >8 MPN/100mL Swamp _s – 4.6 MPN/100mL	<1.1 MPN/100mL

tb

up

mk



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MIC-0097 to 0113 and MIC-0114 to MIC-0121	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, PPSS _s , JICA _{s1} , JICA _{s2} , SWAMP _s , Pico _s and Pico _{s2} .	Heterotrophic Plate Count	2s – 1,420 CFU/mL 3s – 2* CFU/mL 4s – 50 CFU/mL 5s – 12* CFU/mL 6s – <1* CFU/mL 8s – <1* CFU/mL 9s – <1* CFU/mL 12s – <1* CFU/mL 14s – 1,145 CFU/mL Lubass– 39 CFU/mL As – 135 CFU/mL PPSS _s – 25* CFU/mL JICA _{s1} – 1,555 CFU/mL JICA _{s2} – <1* CFU/mL Swamp _s – 167 CFU/mL Pico _{s1} – 10* CFU/100mL Pico _{s2} – 97 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, 22nd Edition 2012, Microbiological Examination 9000: 9221A, B and C; 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, 22nd Edition 2012, Microbiological Examination 9000: 9215A and B.

REMARKS: Domestic water samples from 2s, 4s, 14s, Lubas_s, As, JICA_{s1} and Swamp_s are POSITIVE for *E. coli*.

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* Estimated Heterotrophic Plate Count

Analyzed by:

Certified by:

Confirmed and Approved for Release by:

MARVI JOY L. BALABAG
Analyst

JAMIE BETH B. GALIAN
Approved PAB Signatory

NANCY A. BANTOG
Quality Manager

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		<i>E. coli</i>	2 _s – >8 MPN/100 mL 4 _s – 4.6 MPN/100 mL 14 _s – >8 MPN/100mL Lubas _s – 4.6 MPN/100MI As – >8 MPN/100 mL PPSS _s – <1.1 MPN/100mL JICA _{s1} – >8 MPN/100mL Swamp _s – 4.6 MPN/100mL	<1.1 MPN/100mL



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MIC-0097 to 0113 and MIC-0114 to MIC-0121	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, PPSS_s, JICA_{s1}, JICA_{s2}, SWAMP_s Pico_s and Pico_{s2}.	Heterotrophic Plate Count	2_s – 1,420 CFU/mL 3_s – 2* CFU/mL 4_s – 50 CFU/mL 5_s – 12* CFU/mL 6_s – <1* CFU/mL 8_s – <1* CFU/mL 9_s – <1* CFU/mL 12_s – <1* CFU/mL 14_s – 1,145 CFU/mL Lubas_s– 39 CFU/mL As – 135 CFU/mL PPSS_s – 25* CFU/mL JICA_{s1} – 1,555 CFU/mL JICA_{s2} – <1* CFU/mL Swamp_s– 167 CFU/mL Pico_{s1} – 10* CFU/100mL Pico_{s2}– 97 CFU/100mL	<500 CFU/mL
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Quality Manager

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