



REPORT OF ANALYSIS

Req. Ref. No. : CAR-112017-MIC-0816
Date Submitted : November 13, 2017
Date Analyzed : November 13-15, 2017
Date Reported : November 16, 2017
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-1845-1861	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 – <1* 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} – <1* CFU/mL PPSS _{T1} – <1* CFU/mL SWAMP _T – 30 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, 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:


CLARISA ANGELLI L. NAGPALA
Analyst

Certified by:


JAMIE BETH B. GALIAN
Approved PAB Signatory

Confirmed and Approved for Release by:


NANCY A. BANTOG
Quality Manager

Note: Not valid without DOST-CAR seal



REPORT OF ANALYSIS

Req. Ref. No. : CAR-112017-MIC-0817 and MIC-0828
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Page : Page 1 of 2

SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2007)
MIC-1864 to 1880 and MIC-1897 to 1904	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 - <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 - >8 MPN/100mL A _s - >8 MPN/100 mL PPSS _s - >8 MPN/100mL JICA _{s1} - >8 MPN/100mL JICA _{s2} - <1.1 MPN/100mL Swamp _s - <1.1 MPN/100mL Pico _{s1} - >8 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 14 _s - >8 MPN/100mL Lubas _s - >8 MPN/100mL A _s - >8 MPN/100 mL PPSS _s - >8 MPN/100mL JICA _{s1} - >8 MPN/100mL Pico _{s1} - 2.6 MPN/100mL	<1.1 MPN/100mL



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MIC-1864 to 1880 and MIC-1897 to 1904	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}.	Heterotrophic Plate Count	2_s – 1,565 CFU/mL 3_s – <1* CFU/mL 4_s – 13* CFU/mL 5_s – 2* CFU/mL 6_s – <1* CFU/mL 8_s – 81 CFU/mL 9_s – <1* CFU/mL 12_s – 2* CFU/mL 14_s – 1,305 CFU/mL Lubas_s – 135 CFU/mL A_s – 145 CFU/mL PPSS_s – 1,725 CFU/mL JICA_{s1} – 154 CFU/mL JICA_{s2} – 35 CFU/mL Swamp_s – <1* CFU/mL Pico_{s1} – 21* CFU/100mL Pico_{s2} – 17* 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: 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 2_s, 14_s, Lubas_s, A_s, PPSS_s, JICA_{s1} and Pico_{s1} 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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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2007)
MIC-1862	Raw water sample placed in sterilized glass bottle, covered with orange black cap, without seal and with label, BEFORE UV.	Total Coliform Count	< 1.1 MPN/100mL	<1.1 MPN/100mL
		<i>E. coli</i>	< 1.1 MPN/100mL	<1.1 MPN/100mL
		Heterotrophic Plate Count	17* CFU/mL	<500 CFU/mL

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.

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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2007)
MIC-1863	Raw water sample placed in sterilized bottle, covered with orange cap, without seal and with label, AFTER UV.	Total Coliform Count	< 1.1 MPN/100mL	<1.1 MPN/100mL
		<i>E. coli</i>	< 1.1 MPN/100mL	<1.1 MPN/100mL
		Heterotrophic Plate Count	1* CFU/mL	<500 CFU/mL

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.

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		Heterotrophic Plate Count	17* CFU/mL	<500 CFU/mL

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