



REPORT OF ANALYSIS

Req. Ref. No. : CAR-042020-MIC-0264 and MIC-0266
Date Submitted : May 11, 2020
Date Analyzed : May 11-13, 2020
Date Reported : May 15, 2020
Submitted by : Customer Name :
Name of Company : **LA TRINIDAD WATER DISTRICT**
Address : **Km. 4, La Trinidad, Benguet**

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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD* (PNS for Drinking Water, 2017)
MIC-0590 to 0606 and MIC-0627 to MIC-0635	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 , A _s , PPSS _s , JICA _{s1} , JICA _{s2} , SWAMP _s , Pico _{s1} and Pico _{s2} .	Total Coliform Count	2 _s - >8 MPN/100 mL 3 _s - <1.1 MPN/100 mL 4 _s - 4.6 MPN/100 mL 5 _s - <1.1 MPN/100 mL 6 _s - <1.1 MPN/100 mL 8 _s - 4.6 MPN/100 mL 9 _s - <1.1 MPN/100 mL 12 _s - <1.1 MPN/100mL 14 _s - >8 MPN/100mL Lubas _s - <1.1 MPN/100mL A _s - <1.1 MPN/100 mL PPSS _s - >8 MPN/100mL JICA _{s1} - >8 MPN/100mL JICA _{s2} - <1.1 MPN/100mL Swamp _s - >8 MPN/100mL Pico _{s1} - >8 MPN/100mL Pico _{s2} - >8 MPN/100mL	<1.1 MPN/100mL
		E. coli	2 _s - >8 MPN/100 mL 4 _s - 4.6 MPN/100 mL 8 _s - 4.6 MPN/100 mL 14 _s - >8 MPN/100mL PPSS _s - >8 MPN/100mL JICA _{s1} - >8 MPN/100mL Swamp _s - >8 MPN/100mL Pico _{s1} - >8 MPN/100mL Pico _{s2} - >8 MPN/100mL	<1.1 MPN/100mL

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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 2_s, 4_s, 8_s, 14_s, PPSS_s, JICA_{s1}, Swamp_s, Pico_{s1} and Pico_{s2} POSITIVE for *E. coli*.

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.

* Philippine National Standards for Drinking Water (PNSDW, 2017)

** Estimated Heterotrophic Plate Count

Analyzed by:


JAMIE BETH B. GALIAN
Analyst

Approved for Release by:


ANGEL L. MAGUEN
Quality Manager

Note: Report of analysis is not valid without seal and all entries written in bold italics are data provided by the customer.

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		E. coli	2 _s - >8 MPN/100 mL 4 _s - 4.6 MPN/100 mL 8 _s - 4.6 MPN/100 mL 14 _s - >8 MPN/100mL PPSS _s - >8 MPN/100mL JICA _{s1} - >8 MPN/100mL Swamp _s - >8 MPN/100mL Pico _{s1} - >8 MPN/100mL Pico _{s2} - >8 MPN/100mL	<1.1 MPN/100mL



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MIC-0590 to 0606 and MIC- 0627 to MIC-0635	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, A_s, PPSS_s, JICA_{s1}, JICA_{s2}, SWAMP_s, Pico_{s1} and Pico_{s2}.	Heterotrophic Plate Count	2 _s – 2,050 CFU/mL 3 _s – 15** 23 CFU/mL 4 _s – 7** CFU/mL 5 _s – 14** CFU/mL 6 _s – 40 CFU/mL 8 _s – 78 CFU/mL 9 _s – <1** CFU/mL 12 _s – 14** CFU/mL 14 _s – 20** CFU/mL Lubas _s – 14** CFU/mL A _s – 21** CFU/mL PPSS _s – 4,650 CFU/mL JICA _{s1} – 77 CFU/mL JICA _{s2} – 1** CFU/mL Swamp _s – 91 CFU/mL Pico _{s1} – 1,295 CFU/100mL Pico _{s2} – 127 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 2_s, 4_s, 8_s, 14_s, PPSS_s, JICA_{s1}, Swamp_s, Pico_{s1} and Pico_{s2} **POSITIVE for *E. coli*.**

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.

* Philippine National Standards for Drinking Water (PNSDW, 2017)

** Estimated Heterotrophic Plate Count

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JAMIE BETH B. GALIAN
Analyst

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ANGEL L. MAGUEN
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REPORT OF ANALYSIS

Req. Ref. No. : CAR-052020-MIC-0265, MIC-0266 and MIC-0267
Date Submitted : May 11 and 13, 2020
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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*
MIC-0607 to MIC- 0626 0638 to MIC- 0639 & MIC 0640 to MIC- 0641	18 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} , MCWFP _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 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 MCWFP _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 – 7** CFU/mL 3 _T – <1** CFU/mL 4 _T – <1** CFU/mL 5 _T – <1** CFU/mL 6 _T – <1** CFU/mL 8 _T – 60 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 – <1** CFU/mL A _T – <1** CFU/mL PICOWELL _{T1} – <1** CFU/mL PICOWELL _{T2} – <1** CFU/mL MCWFP _T – <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.

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