



REPORT OF ANALYSIS

Req. Ref. No. : CAR-102020-MIC-0711 and MIC-0713
Date Submitted : October 14, 2020
Date Analyzed : October 14-16, 2020
Date Reported : October 19, 2020
Submitted by : Customer Name :
Name of Company : **LA TRINIDAD WATER DISTRICT**
Address : **Km. 4, La Trinidad, Benguet**

Page : Page 1 of 2

SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT
MIC-1447 to 1464 and MIC-1486 to MIC-1493	18 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 _s , Pico _{s2} and Ampasit _s .	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 - <1.1 MPN/100mL A _s - 4.6 MPN/100 mL PPSS _s - >8 MPN/100mL JICA _{s1} - > 8.0 MPN/100mL JICA _{s2} - <1.1 MPN/100mL Swamp _s - 8.0 MPN/100mL Pico _{s1} - <1.1 MPN/100mL Pico _{s2} - <1.1 MPN/100mL Ampasit _s - 4.6 MPN/100mL
		E. coli	2 _s - >8 MPN/100 mL 4 _s - >8 MPN/100 mL 14 _s - >8 MPN/100mL A _s - 4.6 MPN/100 mL PPSS _s - >8 MPN/100mL JICA _{s1} - > 8.0 MPN/100mL Swamp _s - 8.0 MPN/100mL Ampasit _s - <1.1 MPN/100mL



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MIC-1206 to 1223 and MIC-1245 to MIC-1252	18 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_s, Pico_{s2} and Ampasit_s.	Heterotrophic Plate Count	2_s – 265 CFU/mL (207- 339 CFU/mL) a 3_s – 17* CFU/mL (4- 72 CFU/mL) a 4_s – <1 CFU/mL 5_s – 70 CFU/mL (53- 92 CFU/mL) a 6_s – 62 CFU/mL (44- 88 CFU/mL) a 8_s – 138 CFU/mL (100- 191 CFU/mL) a 9_s – <1* CFU/mL 12_s – <1* CFU/mL 14_s – 251 CFU/mL (181- 347 CFU/mL) a Lubas_s – <1* CFU/mL A_s – 78 CFU/mL (56- 108 CFU/mL) a PPSS_s – 2,140 CFU/mL (1,574- 2,910 CFU/mL) a JICA_{s1} – 29* CFU/mL (7- 117 CFU/mL) a JICA_{s2} – <1* CFU/mL Swamps_s – 45 CFU/mL (31- 66 CFU/mL) a Pico_{s1} – 181 CFU/mL (122- 269 CFU/mL) a Pico_{s2} – <1* CFU/100mL Ampasit_s – 181 CFU/100mL (122- 269 CFU/mL) a
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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, 14_s, A_s, PPSS_s, JICA_{s1} and Swamps_s are 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.

* Estimated Heterotrophic Plate Count

^a Uncertainty of Measurement

Analyzed by:

Certified by:

Approved for Release by:


CLARISA ANGELLI N. LUBRICA
Analyst


JAMIE BETH B. GALIAN
Technical Manager


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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REPORT OF ANALYSIS

Req. Ref. No. : CAR-102020-MIC-0712 and MIC-0713
Date Submitted : October 14 & 16, 2020
Date Analyzed : October 14-18, 2020
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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
MIC-1465 to MIC-1481, MIC-1484, MIC-1485, MIC-1496 and MIC-1497	19 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} , PICOWELL _{T2} , MCWFP _T , and Ampasit _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 Ampasit _t – <1.1 MPN/100 mL
		<i>E. coli</i>	All samples (terminal) – <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 – 221 CFU/mL (149-328 CFU/mL) a 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 (49-105 CFU/mL) a 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



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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.

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

^a Uncertainty of Measurement

** Estimated Heterotrophic Plate Count

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		E. coli	2 _s - >8 MPN/100 mL 4 _s - >8 MPN/100 mL 14 _s - >8 MPN/100mL A _s - 4.6 MPN/100 mL PPSS _s - >8 MPN/100mL JICA _{s1} - > 8.0 MPN/100mL Swamps - 8.0 MPN/100mL Ampasit _s - <1.1 MPN/100mL



DENR RECOGNIZED
C.R No. 078/2019

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