



DENR RECOGNIZED
 C.R No. 078/2019

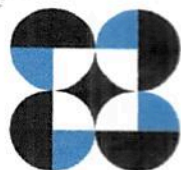
DOH ACCREDITED
 14-001-2022-LW-1

REPORT OF ANALYSIS

Req. Ref. No. : CAR-082021-MIC-0896
 Date Submitted : August 10, 2021
 Date Analyzed : August 10-12, 2021
 Date Reported : August 13, 2021
 Submitted by : Customer Name :
 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 (PNS for Drinking Water, 2017)
MIC-1933 to MIC-1954	20 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 , Ampasit _t , and SPED _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 SPED _T – <1.1 MPN/100 mL	<1.1 MPN/100mL
		<i>E. coli</i>	All samples (terminal) – <1.1 MPN/100 mL	<1.1 MPN/100mL
		Heterotrophic Plate Count	2 _T – 2* CFU/mL 3 _T – 2* CFU/mL 4 _T – <1* CFU/mL 5 _T – <1* CFU/mL 6 _T – <1* CFU/mL 8 _T – 158 CFU/mL 9 _T – 3* CFU/mL 12 _T – <1* CFU/mL 14 _T – <1* CFU/mL Lubas _T – <1* CFU/mL JICA _{T1} – <1* CFU/mL JICA _{T2} – 110 CFU/mL	<500 CFU/mL



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MIC-1933 to MIC-1954	20 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, Ampasit_t, and SPED_T.	Heterotrophic Plate Count	PPSS_{T1} – 5* CFU/mL SWAMP_T – <1* CFU/mL A_T – 2* CFU/mL PICOWELL_{T1} – <1* CFU/mL PICOWELL_{T2} – <1* CFU/mL MCWFP_T – <1* CFU/mL Ampasit_t – <1* CFU/mL SPED_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.

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 N. LUBRICA
Analyst

Certified by:


JAMIE BETH B. GALIAN
Technical Manager

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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REPORT OF ANALYSIS

Req. Ref. No. : CAR-082021-MIC-0897; MIC-0899
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Address : **Km. 4, La Trinidad, Benguet**

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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2017)
MIC-1955 to MIC-1973 and MIC-1976 to MIC-1985	19 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} , Ampasit _s and SPED _s .	Total Coliform Count	2 _s - >8.0 MPN/100 mL 3 _s - <1.1 MPN/100 mL 4 _s - >8.0 MPN/100 mL 5 _s - 8.0 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 - >8.0 MPN/100mL 14 _s - >8.0 MPN/100mL Lubas _s - >8.0 MPN/100mL A _s - <1.1 MPN/100 mL PPSS _s - <1.1 MPN/100mL JICA _{s1} - <1.1 MPN/100mL JICA _{s2} - <1.1 MPN/100mL Swamp _s - <1.1 MPN/100mL Pico _{s1} - >8.0 MPN/100mL Pico _{s2} - >8.0 MPN/100mL Ampasit _s - <1.1 MPN/100mL SPED _s - >8.0 MPN/100mL	<1.1 MPN/100mL
		E. coli	2 _s - >8.0 MPN/100 mL 4 _s - >8.0 MPN/100 mL 5 _s - 8.0 MPN/100 mL 12 _s - >8.0 MPN/100mL 14 _s - >8.0 MPN/100mL Lubas _s - >8.0 MPN/100mL Pico _{s1} - >8.0 MPN/100mL Pico _{s2} - >8.0 MPN/100mL SPED _s - <1.1 MPN/100mL	<1.1 MPN/100mL



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MIC-1955 to MIC-1973 and MIC-1976 to MIC-1985	19 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, Pico_{s2}, Ampasit_s and SPED_s.	Heterotrophic Plate Count	2s – 2,535 CFU/mL 3s – 305 CFU/mL 4s – 2,160 CFU/mL 5s – 385 CFU/mL 6s – 1,965 CFU/mL 8s – 4* CFU/mL 9s – 28* CFU/mL 12s – 1,740 CFU/mL 14s – 2,715 CFU/mL Lubas_s – 1,475 CFU/mL A_s – 266 CFU/mL PPSS_s – 91 CFU/mL JICA_{s1} – 395 CFU/mL JICA_{s2} – <1* CFU/mL Swamp_s – 895 CFU/mL Pico_{s1} – 1,325 CFU/mL Pico_{s2} – 2,440 CFU/100mL Ampasit_s – 115 CFU/100mL SPED_s – 41 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 2s, 4s, 5s, 12s, 14s, Lubas_s, Pico_{s1} and Pico_{s2} are POSITIVE for *E. coli*.

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* Estimated Heterotrophic Plate Count

Analyzed by:

MARVI JOY L. BALABAG
 Analyst

Certified by:

JAMIE BETH B. GALIAN
 Technical Manager

Approved for Release by:

ANGEL L. MAGUEN
 Quality Manager

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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2017)
MIC-1953	Raw water sample, placed in a plastic bottle, covered with white 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	2* 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, 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.

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* Estimated Heterotrophic Plate Count

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CLARISA ANGELLI N. LUBRICA
Analyst

Certified by:

JAMIE BETH B. GALIAN
Technical Manager

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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2017)
MIC-1952	Raw water sample, placed in a plastic bottle, covered with white cap, without seal, and with label, BEFORE UV.	Total Coliform Count	4.6 MPN/100mL	<1.1 MPN/100mL
		<i>E. coli</i>	< 1.1 MPN/100mL	<1.1 MPN/100mL
		Heterotrophic Plate Count	25* 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, 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.

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* Estimated Heterotrophic Plate Count

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