



REPORT OF ANALYSIS

Req. Ref. No. : CAR-032017-MIC-0295
Date Submitted : March 21, 2017
Date Analyzed : March 21-23, 2017
Date Reported : March 24, 2017
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, 2007)
MIC-0536-0551	16 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 _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 _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 – 3* 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 – <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 – 4* CFU/mL PICOWELL _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, 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

Req. Ref. No. : CAR-032017-MIC-0296 and MIC-0297
Date Submitted : March 21, 2017
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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, 2007)
MIC-0552 to 0567 and MIC-0568 to 0574	16 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, PPSS _s , JICA _{s1} , JICA _{s2} , SWAMP _s and Pico _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 As - >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 _s - >8 MPN/100mL	<1.1 MPN/100mL
		<i>E. coli</i>	2 _s - >8 MPN/100 mL 4 _s - <1.1 MPN/100 mL 14 _s - >8 MPN/100mL As - >8 MPN/100 mL PPSS _s - >8MPN/100mL JICA _{s1} - >8 MPN/100mL Pico _s - >8 MPN/100mL	<1.1 MPN/100mL

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MIC-0552 to 0567 and MIC-0568 to 0574	16 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 and Pico_s.	Heterotrophic Plate Count	2 _s – 1,650 CFU/mL 3 _s – 6* CFU/mL 4 _s – 51 CFU/mL 5 _s – 16* CFU/mL 6 _s – 2* CFU/mL 8 _s – 18* CFU/mL 9 _s – <1* CFU/mL 12 _s – 10* CFU/mL 14 _s – 246 CFU/mL Lubas _s – 1,560 CFU/mL As – 9* CFU/mL PPSS _s – 9,700 CFU/mL JICA _{s1} – 1,150 CFU/mL JICA _{s2} – <1* CFU/mL SWAMP _s – 1,325 CFU/mL Pico _s – 2,530 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 2s, 14s, As, PPSS_s, JICA_{s1} and Pico_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

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

Note: Not valid without DOST-CAR seal

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AVERAGE CHLORINE RESIDUAL *at* FARTHEST POINT

For the Period of 13 February 2017 to 21 March 2017

DEEPWELL SOURCES	Average daily chlorine residual measured (ppm)	SPRING SOURCES	Average daily Chlorine Residual Measured (ppm)
1) No 2	0.3	1) Ampasit	0.334
2) No. 3	0.363	2) Lubas	0.317
3) No. 4	0.3	3) Pines Park	0.353
4) No. 5	0.376	Xxxxx	
5) No. 6	0.351		
6) No. 9	0.322		
7) No. 14	0.323		
8) JICA Well 1	0.374		
9) Swamp Well (SDW)	0.5		
9) Pico Well	0.3		

Note: Deep Well Sources Nos. 8 , 12 , & JICA 2 are treated through silver ionization.

Submitted :


ENGR. OLIVER L. TAULE
General Manager

Water for All is Our Goal