



REPORT OF ANALYSIS

Req. Ref. No. : CAR-072017-MIC-0512
Date Submitted : July 13, 2017
Date Analyzed : July 13-15, 2017
Date Reported : July 17, 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-1135 to 1151	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} , 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 terminal – <1.1 MPN/100 mL	<1.1 MPN/100 mL
		Heterotrophic Plate Count	2 _T – 12* CFU/mL 3 _T – 11* CFU/mL 4 _T – 19* 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 – 15* CFU/mL JICA _{T1} – <1* CFU/mL JICA _{T2} – <1* CFU/mL PPSS _{T1} – 6* CFU/mL SWAMP _T – <1* 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:

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

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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2007)
MIC-1152 to 1168 and MIC-1169 to 1177	17 Domestic water samples from source points placed in sterilized reagent bottle and with written label, 2 _s , 3 _s , 4 _s , 5 _s , 6 _s , 8 _s , 9 _s , 12 _s , 14 _s , Lubas _s , As _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 - >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 As _s - >8 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} - <1.1 MPN/100mL	<1.1 MPN/100mL
		<i>E. coli</i>	2 _s - >8 MPN/100 mL 4 _s - 2.6 MPN/100 mL 14 _s - >8 MPN/100mL Lubas _s - >8 MPN/100mL As _s - >8 MPN/100 mL PPSS _s - >8 MPN/100mL JICA _{s1} - >8 MPN/100mL SWAMP _s - 2.6 MPN/100mL PICO _{s1} - <1.1 MPN/100mL	<1.1 MPN/100mL



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AVERAGE CHLORINE RESIDUAL at FARTHEST POINT

For the Period of 20 June 2017 to 13 July 2017

DEEPWELL SOURCES	Average daily chlorine residual measured (ppm)	SPRING SOURCES	Average daily chlorine residual measured (ppm)
1) No. 2	0.3	1) Ampasit	0.3
2) No. 3	0.342	2) Lubas	0.308
3) No. 4	0.3	3) Pines Park	0.356
4) No. 5	0.325	xxxx	
5) No. 6	0.342		
6) No. 9	0.3		
7) No. 14	0.3		
8) JICA Well 1	0.358		
9) Swamp Well (SDW)	0.367		
10) Pico Well	0.376		
11) Pico Well 2	0.612		

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