

### REPORT OF ANALYSIS

Req. Ref. No. : CAR-062017-MIC-0460  
Date Submitted : June 19, 2017  
Date Analyzed : June 19-21, 2017  
Date Reported : June 21, 2017  
Submitted by : Customer Name :  
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	STANDARD (PNS for Drinking Water, 2007)
MIC-1009 to 1023	16 Domestic water samples from terminal points placed in sterilized reagent bottle and with written label, 2 <sub>T</sub> , 3 <sub>T</sub> , 4 <sub>T</sub> , 5 <sub>T</sub> , 6 <sub>T</sub> , 8 <sub>T</sub> , 9 <sub>T</sub> , 12 <sub>T</sub> , 14 <sub>T</sub> , Lubas <sub>T</sub> , JICA <sub>T1</sub> , JICA <sub>T2</sub> , PPSS <sub>T1</sub> , SWAMP <sub>T</sub> , A <sub>T</sub> , PICOWELL <sub>T</sub> .	Total Coliform Count	2 <sub>T</sub> – <1.1 MPN/100 mL 3 <sub>T</sub> – <1.1 MPN/100 mL 4 <sub>T</sub> – <1.1 MPN/100 mL 5 <sub>T</sub> – <1.1 MPN/100 mL 6 <sub>T</sub> – <1.1 MPN/100 mL 8 <sub>T</sub> – <1.1 MPN/100 mL 9 <sub>T</sub> – <1.1 MPN/100 mL 12 <sub>T</sub> – <1.1 MPN/100 mL 14 <sub>T</sub> – <1.1 MPN/100 mL Lubas <sub>T</sub> – <1.1 MPN/100 mL JICA <sub>T1</sub> – <1.1 MPN/100 mL JICA <sub>T2</sub> – <1.1 MPN/100 mL PPSS <sub>T1</sub> – <1.1 MPN/100 mL SWAMP <sub>T</sub> – <1.1 MPN/100 mL A <sub>T</sub> – <1.1 MPN/100 mL PICOWELL <sub>T</sub> – <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 <sub>T</sub> – 1* CFU/mL 3 <sub>T</sub> – <1* CFU/mL 4 <sub>T</sub> – 2* CFU/mL 5 <sub>T</sub> – <1* CFU/mL 6 <sub>T</sub> – <1* CFU/mL 8 <sub>T</sub> – <1* CFU/mL 9 <sub>T</sub> – <1* CFU/mL 12 <sub>T</sub> – 1* CFU/mL 14 <sub>T</sub> – <1* CFU/mL Lubas <sub>T</sub> – <1* CFU/mL JICA <sub>T1</sub> – <1* CFU/mL JICA <sub>T2</sub> – <1* CFU/mL PPSS <sub>T1</sub> – <1* CFU/mL SWAMP <sub>T</sub> – <1* CFU/mL A <sub>T</sub> – <1* CFU/mL PICOWELL <sub>T</sub> – 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, 22<sup>nd</sup> Edition 2012, Microbiological Examination 9000: 9215B; 9221A, B and C; 9223A and B (Modified) and in accordance with Merck Microbiological Manual, 12<sup>th</sup> Edition.

#### Heterotrophic Plate Count.

Pour Plate - Colony Forming Units (CFU) per ml. Following Standard Methods for the Examination of Water and Waste Water, 22<sup>nd</sup> 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





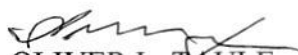
Republic of the Philippines  
**LA TRINIDAD WATER DISTRICT**  
FA 249-B Km. 4, Balili, La Trinidad  
Benguet Province 2601  
Tel. Nos.: (074)-422-2679 / (074)-422-2078  
Telefax No.: (074)-422-1848

**AVERAGE CHLORINE RESIDUAL *at* FARTHEST POINT**  
For the Period of 15 May 2017 to 19 June 2017

DEEPWELL SOURCES	Average daily chlorine residual measured (ppm)	SPRING SOURCES	Average daily Chlorine Residual Measured (ppm)
1) No. 2	0.3	1) Ampasit	0.416
2) No. 3	0.388	2) Lubas	0.3
3) No. 4	0.3	3) Pines Park	0.334
4) No. 5	0.334	Xxxxxx	
5) No. 6	0.365		
6) No. 9	0.323		
7) No. 14	0.3		
8) JICA Well 1	0.364		
9) Swamp Well (SDW)	0.35		
9) Pico Well	0.416		
10) Pico Well 2	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*



### REPORT OF ANALYSIS

Req. Ref. No. : CAR-062017-MIC-0459 and MIC-0470  
Date Submitted : June 19, 2017  
Date Analyzed : June 19-21, 2017  
Date Reported : June 22, 2017  
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, 2007)
MIC-0992 to 1008 and MIC-1038 to 1046	17 Domestic water samples from source points placed in sterilized reagent bottles and with written labels, 2s, 3s, 4s, 5s, 6s, 8s, 9s, 12s, 14s, Lubass, As, PPSSs, JICA <sub>s1</sub> , JICA <sub>s2</sub> , SWAMPs, Pico <sub>s1</sub> and Pico <sub>s2</sub> .	Total Coliform Count	2s - >8 MPN/100 mL 3s - <1.1 MPN/100 mL 4s - >8 MPN/100 mL 5s - <1.1 MPN/100 mL 6s - <1.1 MPN/100 mL 8s - >8 MPN/100 mL 9s - <1.1 MPN/100 mL 12s - <1.1 MPN/100mL 14s - <1.1 MPN/100mL Lubass - >8 MPN/100mL As - >8 MPN/100 mL PPSSs - >8 MPN/100mL JICA <sub>s1</sub> - >8 MPN/100mL JICA <sub>s2</sub> - <1.1 MPN/100mL Swamp <sub>s</sub> - 2.6 MPN/100mL Pico <sub>s</sub> - 2.6 MPN/100mL Pico <sub>s2</sub> - >1.1 MPN/100mL	<1.1 MPN/100mL
		<i>E. coli</i>	2s - >8 MPN/100 mL 4s - <1.1 MPN/100 mL 8s - 2.6 MPN/100 mL Lubass - >8 MPN/100mL As - >8 MPN/100 mL PPSSs - >8 MPN/100mL JICA <sub>s1</sub> - >8 MPN/100mL Swamp <sub>s</sub> - 2.6 MPN/100mL Pico <sub>s</sub> - 2.6 MPN/100mL	<1.1 MPN/100mL





## REPORT OF ANALYSIS

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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2007)
MIC-0992 to 1008 and MIC-1038 to 1046	17 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 <sub>s</sub> , As, PPSS <sub>s</sub> , JICA <sub>s1</sub> , JICA <sub>s2</sub> , SWAMP <sub>s</sub> , Pico <sub>s1</sub> and Pico <sub>s2</sub> .	Heterotrophic Plate Count	2 <sub>s</sub> - 2,455 CFU/mL 3 <sub>s</sub> - 71 CFU/mL 4 <sub>s</sub> - 158 CFU/mL 5 <sub>s</sub> - 33 CFU/mL 6 <sub>s</sub> - 19* CFU/mL 8 <sub>s</sub> - 1,395 CFU/mL 9 <sub>s</sub> - <1* CFU/mL 12 <sub>s</sub> - <1* CFU/mL 14 <sub>s</sub> - 32 CFU/mL Lubas <sub>s</sub> - 1,410 CFU/mL As - 1,355 CFU/mL PPSS <sub>s</sub> - 15,250 CFU/mL JICA <sub>s1</sub> - 93 CFU/mL JICA <sub>s2</sub> - <1* CFU/mL Swamp <sub>s</sub> - 16,900 CFU/mL Pico <sub>s1</sub> - 137 CFU/100mL Pico <sub>s2</sub> - 1,135 CFU/100mL	<500 CFU/mL



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### METHODOLOGY:

#### Total Coliform Count / *Escherichia coli*

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#### Heterotrophic Plate Count.

Pour Plate - Colony Forming Units (CFU) per ml. Following Standard Methods for the Examination of Water and Waste Water, 22<sup>nd</sup> Edition 2012, Microbiological Examination 9000: 9215A and B.

**REMARKS: Domestic water samples from 2s, 8s, Lubas As, PPSSs, JICA<sub>s1</sub>, Swamps and Picos 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:

**MARVI JOY L. BALABAG**  
Analyst

Certified by:

**JAMIE BETH B. GALIAN**  
Approved PAB Signatory

Confirmed and Approved for Release by:

**NANCY A. BANTOG**  
Quality Manager

Note: Not valid without DOST-CAR seal