



### REPORT OF ANALYSIS

Req. Ref. No. : CAR-022019-MIC-0170  
Date Submitted : February 11, 2019  
Date Analyzed : February 11-13, 2019  
Date Reported : February 15, 2019  
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, 2017)
MIC-0393 to MIC-0409	17 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>T1</sub> and PICOWELL <sub>T2</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>T1</sub> – <1.1 MPN/100 mL* PICOWELL <sub>T2</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> – 390 CFU/mL 3 <sub>T</sub> – <1** CFU/mL 4 <sub>T</sub> – <1** CFU/mL 5 <sub>T</sub> – <1** CFU/mL 6 <sub>T</sub> – <1** CFU/mL 8 <sub>T</sub> – 2** 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> – 16** 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>T1</sub> – <1** CFU/mL PICOWELL <sub>T2</sub> – <1** CFU/mL	<500 CFU/mL



## REPORT OF ANALYSIS

Req. Ref. No. : CAR-022019-MIC-0170  
Date Submitted : February 11, 2019  
Date Analyzed : February 11-13, 2019  
Date Reported : February 15, 2019  
Submitted by : Customer Name :  
Name of Company : **LA TRINIDAD WATER DISTRICT**  
Address : Km. 4, Balili, La Trinidad, Benguet

Page : Page 2 of 2

### 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, 23<sup>rd</sup> Edition 2017, Microbiological Examination 9000: 9221B; 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, 23<sup>rd</sup> 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.

\* Not PAB Accredited

\*\* Estimated Heterotrophic Plate Count

Analyzed by:

  
**CLARISA ANGELLI N. LUBRICA**  
Approved PAB Signatory

Certified by:

  
**JAMIE BETH B. GALIAN**  
Technical Manager

Approved for Release by:

  
**ANGEL L. MAGUEN**  
Quality Manager

Note: Not valid without DOST-CAR seal





DENR RECOGNIZED  
C.R No. 078/2015

FDA ACCREDITED  
FDA LA-2014-018

DOH ACCREDITED  
14-001-17-LW-1

### REPORT OF ANALYSIS

Req. Ref. No. : CAR-022019-MIC-0169 and MIC-0178  
Date Submitted : February 11, 2019  
Date Analyzed : February 11-13, 2019  
Date Reported : February 14, 2019  
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	STANDARD (PNS for Drinking Water, 2017)
MIC-0376 to 0392 and MIC-0425 to MIC-0432	17 Domestic water samples from source points placed in sterilized reagent bottles and with written labels, 2 <sub>s</sub> , 3 <sub>s</sub> , 4 <sub>s</sub> , 5 <sub>s</sub> , 6 <sub>s</sub> , 8 <sub>s</sub> , 9 <sub>s</sub> , 12 <sub>s</sub> , 14 <sub>s</sub> , Lubas <sub>s</sub> , As <sub>s</sub> , PPSS <sub>s</sub> , JICA <sub>s1</sub> , JICA <sub>s2</sub> , SWAMP <sub>s</sub> , Pico <sub>s</sub> and Pico <sub>s2</sub> .	Total Coliform Count	2 <sub>s</sub> – >8* MPN/100 mL 3 <sub>s</sub> – <1.1* MPN/100 mL 4 <sub>s</sub> – 4.6* MPN/100 mL 5 <sub>s</sub> – <1.1* MPN/100 mL 6 <sub>s</sub> – <1.1* MPN/100 mL 8 <sub>s</sub> – <1.1* MPN/100 mL 9 <sub>s</sub> – <1.1* MPN/100 mL 12 <sub>s</sub> – <1.1* MPN/100mL 14 <sub>s</sub> – >8* MPN/100mL Lubas <sub>s</sub> – >8* MPN/100mL As – >8* MPN/100 mL PPSS <sub>s</sub> – >8* MPN/100mL JICA <sub>s1</sub> – >8* MPN/100mL JICA <sub>s2</sub> – >8* MPN/100mL Swamp <sub>s</sub> – <1.1* MPN/100mL Pico <sub>s1</sub> – <1.1* MPN/100mL Pico <sub>s2</sub> – <1.1* MPN/100mL	<1.1 MPN/100mL
		E. coli	2 <sub>s</sub> – >8* MPN/100 mL 4 <sub>s</sub> – <1.1* MPN/100 mL 14 <sub>s</sub> – >8* MPN/100mL Lubas <sub>s</sub> – >8* MPN/100mL As – >8* MPN/100 mL PPSS <sub>s</sub> – >8* MPN/100mL JICA <sub>s1</sub> – >8* MPN/100mL JICA <sub>s2</sub> – >8* MPN/100mL	<1.1 MPN/100mL

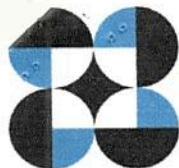
87

lp

San

Address: BSU Compound, Km.6, La Trinidad, Benguet 2601  
Tel. No. (63)(074)422-0979  
Fax No. (63)(074)422-2214

e-mail address: [rstlcar@gmail.com](mailto:rstlcar@gmail.com)  
URL: <http://car.dost.gov.ph>



### REPORT OF ANALYSIS

Req. Ref. No. : CAR-022019-MIC-0169 and MIC-0178  
Date Submitted : February 11, 2019  
Date Analyzed : February 11-13, 2019  
Date Reported : February 14, 2019  
Submitted by : Customer Name :  
Name of Company : **LA TRINIDAD WATER DISTRICT**  
Address : Km. 4, La Trinidad, Benguet

Page : Page 2 of 2

<b>MIC-0376 to 0392 and MIC-0425 to MIC-0432</b>	<b>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>s</sub> and Pico<sub>s2</sub>.</b>	<b>Heterotrophic Plate Count</b>	2s – 204 CFU/mL 3s – 95 CFU/mL 4s – 4** CFU/mL 5s – 16** CFU/mL 6s – 5,400 CFU/mL 8s – 8** CFU/mL 9s – <1** CFU/mL 12s – 45 CFU/mL 14s – 260 CFU/mL Lubas <sub>s</sub> – 6,900 CFU/mL As – 5,900 CFU/mL PPSS <sub>s</sub> – 4,250 CFU/mL JICA <sub>s1</sub> – 4,600 CFU/mL JICA <sub>s2</sub> – 3,650 CFU/mL Swamp <sub>s</sub> – 229 CFU/mL Pico <sub>s1</sub> – <1** CFU/100mL Pico <sub>s2</sub> – 64 CFU/100mL	<b>&lt;500 CFU/mL</b>
--	--	----------------------------------	--	-----------------------

#### 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, 23<sup>rd</sup> Edition 2017, Microbiological Examination 9000: 9221B; 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, 23<sup>rd</sup> Edition 2017, Microbiological Examination 9000: 9050C; 9215A and B.

**REMARKS: Domestic water samples from 2s, 14s, Lubas<sub>s</sub>, As, PPSS<sub>s</sub>, JICA<sub>s1</sub> and JICA<sub>s2</sub> 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.

\* Not PAB Accredited

\*\*Estimated Heterotrophic Plate Count

Analyzed by:

Certified by:

Approved for Release by:

**MARVI JOYL. BALABAG**  
Approved PAB Signatory

**JAMIE BETH B. GALIAN**  
Technical Manager

**ANGEL L. MAGUEN**  
Quality Manager

Note: Not valid without DOST-CAR seal

Address: BSU Compound, Km.6, La Trinidad, Benguet 2601  
Tel. No. (63)(074)422-0979  
Fax No. (63)(074)422-2214

e-mail address: [rstlcar@gmail.com](mailto:rstlcar@gmail.com)  
URL: <http://car.dost.gov.ph>





DENR RECOGNIZED  
C.R No. 078/2015

FDA ACCREDITED  
FDA LA-2014-018

DOH ACCREDITED  
14-001-17-LW-1

### REPORT OF ANALYSIS

Req. Ref. No. : CAR-022019-MIC-0169 and MIC-0178  
Date Submitted : February 11, 2019  
Date Analyzed : February 11-13, 2019  
Date Reported : February 14, 2019  
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	STANDARD (PNS for Drinking Water, 2017)
MIC-0376 to 0392 and MIC-0425 to MIC-0432	17 Domestic water samples from source points placed in sterilized reagent bottles and with written labels, 2 <sub>s</sub> , 3 <sub>s</sub> , 4 <sub>s</sub> , 5 <sub>s</sub> , 6 <sub>s</sub> , 8 <sub>s</sub> , 9 <sub>s</sub> , 12 <sub>s</sub> , 14 <sub>s</sub> , Lubas <sub>s</sub> , As, PPSS <sub>s</sub> , JICA <sub>s1</sub> , JICA <sub>s2</sub> , SWAMP <sub>s</sub> , Pico <sub>s</sub> and Pico <sub>s2</sub> .	Total Coliform Count	2 <sub>s</sub> – >8* MPN/100 mL 3 <sub>s</sub> – <1.1* MPN/100 mL 4 <sub>s</sub> – 4.6* MPN/100 mL 5 <sub>s</sub> – <1.1* MPN/100 mL 6 <sub>s</sub> – <1.1* MPN/100 mL 8 <sub>s</sub> – <1.1* MPN/100 mL 9 <sub>s</sub> – <1.1* MPN/100 mL 12 <sub>s</sub> – <1.1* MPN/100mL 14 <sub>s</sub> – >8* MPN/100mL Lubas <sub>s</sub> – >8* MPN/100mL As – >8* MPN/100 mL PPSS <sub>s</sub> – >8* MPN/100mL JICA <sub>s1</sub> – >8* MPN/100mL JICA <sub>s2</sub> – >8* MPN/100mL Swamp <sub>s</sub> – <1.1* MPN/100mL Pico <sub>s1</sub> – <1.1* MPN/100mL Pico <sub>s2</sub> – <1.1* MPN/100mL	<1.1 MPN/100mL
		E. coli	2 <sub>s</sub> – >8* MPN/100 mL 4 <sub>s</sub> – <1.1* MPN/100 mL 14 <sub>s</sub> – >8* MPN/100mL Lubas <sub>s</sub> – >8* MPN/100mL As – >8* MPN/100 mL PPSS <sub>s</sub> – >8* MPN/100mL JICA <sub>s1</sub> – >8* MPN/100mL JICA <sub>s2</sub> – >8* MPN/100mL	<1.1 MPN/100mL

2

4

8



## REPORT OF ANALYSIS

Req. Ref. No. : CAR-022019-MIC-0169 and MIC-0178  
Date Submitted : February 11, 2019  
Date Analyzed : February 11-13, 2019  
Date Reported : February 14, 2019  
Submitted by : Customer Name :  
Name of Company : **LA TRINIDAD WATER DISTRICT**  
Address : Km. 4, La Trinidad, Benguet  
Page : Page 2 of 2

MIC-0376 to 0392 and MIC- 0425 to MIC-0432	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>s</sub> and Pico <sub>s2</sub> .	Heterotrophic Plate Count	2s - 204 CFU/mL 3s - 95 CFU/mL 4s - 4** CFU/mL 5s - 16** CFU/mL 6s - 5,400 CFU/mL 8s - 8** CFU/mL 9s - <1** CFU/mL 12s - 45 CFU/mL 14s - 260 CFU/mL Lubass - 6,900 CFU/mL As - 5,900 CFU/mL PPSSs - 4,250 CFU/mL JICA <sub>s1</sub> - 4,600 CFU/mL JICA <sub>s2</sub> - 3,650 CFU/mL Swamp <sub>s</sub> - 229 CFU/mL Pico <sub>s1</sub> - <1** CFU/100mL Pico <sub>s2</sub> - 64 CFU/100mL	<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, 23<sup>rd</sup> Edition 2017, Microbiological Examination 9000: 9221B; 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, 23<sup>rd</sup> Edition 2017, Microbiological Examination 9000: 9050C; 9215A and B.

**REMARKS: Domestic water samples from 2s, 14s, Lubass, As, PPSSs, JICA<sub>s1</sub> and JICA<sub>s2</sub> 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.

\* Not PAB Accredited

\*\*Estimated Heterotrophic Plate Count

Analyzed by:

Certified by:

Approved for Release by:

**MARVI JOY L. BALABAG**  
Approved PAB Signatory

**JAMIE BETH B. GALIAN**  
Technical Manager

**ANGEL L. MAGUEN**  
Quality Manager

Note: Not valid without DOST-CAR seal

Address: BSU Compound, Km.6, La Trinidad, Benguet 2601  
Tel. No. (63)(074)422-0979  
Fax No. (63)(074)422-2214

e-mail address: [rstlcar@gmail.com](mailto:rstlcar@gmail.com)  
URL: <http://car.dost.gov.ph>