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TEST REPORT

Sample Lab. No. : 19-1866
Submitted By : Baao Water District
Address : La Medalla, Baao, Camarines Sur
Contact Number : (054)2663161
Sample Source : Deepwell
Sample Location : San Juan PS

Date/Time of : 10-Dec-19
Collection : 4:57 PM
Receipt : 13-Dec-19
Examination : 13-Dec-19
Test Report # : PC-2020-0030

WATER QUALITY				
PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Turbidity (NTU)	: 1.10	5		2130 B. Nephelometric Method
Apparent Color (Color Units)	: 5	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 6.30	6.5 - 8.5		4500-H+ B. Electrometric
Total Dissolved Solids (mg/L)*	: 165	600		2540 C. Gravimetric dried at 180°C
Sulfate (mg/L)*	: 5.9	250		4500-SO ₄ ²⁻ E. Turbidimetric
Nitrate (mg/L)	: 1.3	50		4500-NO ₃ ⁻ D Electrode Method
Chloride (mg/L)	: 9	250		4500-Cl- B. Argentometric
METAL ANALYSIS (mg/L)				
Iron (total)	: 0.09	1.00		3111 B. Direct Air-Acetylene
Manganese (total)	: <MDL	0.40	0.009	3111 B. Direct Air-Acetylene
Arsenic	: <MDL	0.01	0.004	3113 B. Electrothermal AAS
Cadmium	: <MDL	0.003	0.0005	3113 B. Electrothermal AAS
Lead	: <MDL	0.01	0.002	3113 B. Electrothermal AAS

Remarks: Result/s in red did not comply with the standards set by the PNSDW.
Other parameters measured are within limit.

NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level, **nil** - not detectable by the method used (result <MDL)
PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained.
Result(s) of the examination is/are specifically related to sample(s) as received.

REFERENCES: American Public Health Association, American Water Works Association, and Water Environment Federation. 2012 Standard Methods for the Examination of Water and Waste Water. 22nd Edition., American Public Health Assoc., Washington D.C.
Dept. of Health, Philippine National Standards for Drinking Water 2017

Analyzed by:

Lorraine Mae S. Asaytuno
PRC No. 0013916
Date: January 21, 2020

Certified by:

Harlene Joy L. Cruz
PRC No. 0009512
Date: January 21, 2020

Noted by:

Louvelyn A. Bagarra
PRC No. 0025350
Date: January 21, 2020

End of Report

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