

	Environmental Management Bureau
	Regional Environmental Laboratory Region VIII
	Brgy. Baras, Palo, Leyte
Certificate of Analysis	

Department: ENVIRONMENTAL MONITORING AND ENFORCEMENT DIVISION-AMBIENT SECTION

Name/Source:	Dupong, Matlang and Merida WQMA		
Address/Location:	Isabel, Leyte		
Sampled by:	R Udtohan		
Date Arrived:	Jan 18, 2022 @ 2:59 PM	Date Acknowledged:	Jan 18, 2022 @ 3:11 PM
Date Analyzed:	Jan 24, 2022 @ 7:30 AM		

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information
2022-009	2208-010	Jan 18, 2022 @ 11:30 AM	river water	water sample placed in 300-mL acid-washed glass, 500-mL PET bottle labeled "Sto. Niño"
	2208-011	Jan 18, 2022 @ 9:44 AM	river water	water sample placed in 300-mL acid-washed glass, 500-mL PET bottle labeled "Marvel"
	2208-012	Jan 18, 2022 @ 10:06 AM	river water	water sample placed in 300-mL acid-washed glass, 500-mL PET bottle labeled "Buenavista"
	2208-013	Jan 18, 2022 @ 10:42 AM	seawater	water sample placed in 300-mL acid-washed glass, 500-mL PET bottle labeled "Mabil"
	2208-014	Jan 18, 2022 @ 10:55 AM	seawater	water sample placed in 300-mL acid-washed glass, 500-mL PET bottle labeled "Philpos outfall"
	2208-015	Jan 18, 2022 @ 11:05 AM	seawater	water sample placed in 300-mL acid-washed glass, 500-mL PET bottle labeled "PASAR outfall"
	2208-016	Jan 18, 2022 @ 11:19 AM	seawater	water sample placed in 300-mL acid-washed glass, 500-mL PET bottle labeled "Philpos pier"
	2208-017	Jan 18, 2022 @ 10:19 AM	river water	water sample placed in 300-mL acid-washed glass, 500-mL and 1000-mL PET bottle labeled "Dupong"
	2208-018	Jan 18, 2022 @ 9:50 AM	river water	water sample placed in 300-mL acid-washed glass, 500-mL and 1000-mL PET bottle labeled "Tabunok"
	2208-019	Jan 18, 2022 @ 11:21 AM	river water	water sample placed in 300-mL acid-washed glass, 500-mL and 1000-mL PET bottle labeled "Matlang"
	2208-020	Jan 18, 2022 @ 10:54 AM	seawater	water sample placed in 300-mL acid-washed glass, 500-mL and 1000-mL PET bottle labeled "Benabaye"

Environmental conditions during analysis:
Relative humidity: 55.1%
Temperature: 21.8°C



CHARACTERISTICS:

Parameters	Date Analyzed	Lab sample no.					
		010	011	012	013	014	015
TSS, mg/L	19-Jan-22	8	5	17	12	19	12
True color, TCU	18-Jan-22	5	5	5	5	5	5
NO ₃ ⁻ as N, mg/L	19-Jan-22	0.280	0.042	ND	12.456	12.504	0.139
PO ₄ ³⁻ as P, mg/L	18-Jan-22	0.000	0.000	0.000	0.000	0.000	1.665
		016	017	018	019	020	
BOD, mg/L	19-Jan-22	-	1.2	1.7	1.2	-	
TSS, mg/L	19-Jan-22	6	3	6	ND	17	
True color, TCU	18-Jan-22	5	5	10	5	5	
NO ₃ ⁻ as N, mg/L	19-Jan-22	0.198	0.249	0.103	0.060	0.694	
PO ₄ ³⁻ as P, mg/L	18-Jan-22	0.231	0.000	0.000	0.000	0.000	

Method used: BOD - 5-Day BOD Test

TSS - Gravimetric Method, dried @ 103-105 °C

True color - Visual comparison method

Nitrate (NO₃⁻) and Chloride (Cl⁻) Ion chromatography with Chemical Suppression of Eluent Conductivity

Phosphate (PO₄³⁻) Ascorbic acid method

Method detection limit (MDL):

BOD 0.1 mg/L

TSS 2.3 mg/L

True color 5 TCU

NO₃⁻ as N, mg/L 0.0156 mg/L

Reference: Standard Methods for the Examination of Water and Wastewater, 23rd ed., 2017, AHA, AWWA, WEF

Remarks 1. This certificate of analysis is based on the sample as received by this office.
2. This certificate of analysis shall not be reproduced in full, without written approval from issuing laboratory.
3. ND : "not detected", < MDL

Analyzed by:

ANGELICA JOY G. YU, RCh
Technical Manager, Chemistry
Reg. No. 0012803

SHEREY MAE U. BALAGAO, RCh
Laboratory analyst, Chemistry
Reg. No. 0013722

Approved by:

MANUEL J. SACEDA JR.
OIC - Chief EMED

Certified by:

APRILYN R. DANAS, RCh
Laboratory manager
Reg. No. 0011659

Noted by:

REYNALDO B. BARRA
OIC - Regional Director

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Sampler
Records Unit



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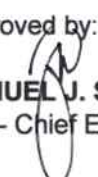
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