



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:	K Benaires		
Date Arrived:	Dec. 7, 2021@ 3:30 PM	Date Acknowledged:	Dec. 7, 2021@ 3:35 PM
Date Analyzed:	Dec. 14, 2021@ 12:27 PM		

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information
2021-420	2108-1241	December 7, 2021@8:15 AM	river water	water sample placed in 500-mL and 1000-mL PET bottle labeled "Tabunok"
	2108-1242	December 7, 2021@8:40 AM	river water	water sample placed in 500-mL and 1000-mL PET bottle labeled "Dupong"
	2108-1243	December 7, 2021@9:30 AM	river water	water sample placed in 500-mL and 1000-mL PET bottle labeled "Matlang"
	2108-1244	December 7, 2021@9:40 AM	seawater	water sample placed in 500-mL PET bottle labeled "Benabaye"
	2108-1245	December 7, 2021@11:24 AM	seawater	water sample placed in 500-mL PET bottle labeled "Sto. Nino"
	2108-1246	December 7, 2021@9:41 AM	seawater	water sample placed in 500-mL PET bottle labeled "Marvel"
	2108-1247	December 7, 2021@10:52 AM	seawater	water sample placed in 500-mL PET bottle labeled "Philphos outfall"
	2108-1248	December 7, 2021@11:01 AM	seawater	water sample placed in 500-mL PET bottle labeled "PASAR outfall"
	2108-1249	December 7, 2021@11:17 AM	seawater	water sample placed in 500-mL PET bottle labeled "Philphos Pier"
	2108-1250	December 7, 2021@10:39 AM	seawater	water sample placed in 500-mL PET bottle labeled "Mabil"
	2108-1251	December 7, 2021@10:02 AM	seawater	water sample placed in 500-mL PET bottle labeled "Buenavista"

Environmental conditions during analysis:

Relative humidity: 53.9%

Temperature: 22.5°C

CHARACTERISTICS:

Parameters	Date Analyzed	Lab sample no.					
		1041	1042	1043	1044	1045	1046
BOD, mg/L	7-Dec-21	2.4	1.9	1.6	-	-	-
TSS, mg/L	10-Dec-21	34	17	3	11	18	20
True color, TCU	7-Dec-21	10	5	5	5	5	5
		1047	1048	1049	1050	1051	
TSS, mg/L	10-Dec-21	22	14	14	16	12	
True color, TCU	7-Dec-21	5	5	5	5	5	

Method used: BOD - 5-Day BOD Test

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

True color - Visual comparison method

Method detection limit (MDL):

BOD 0.2 mg/L

TSS 2.3 mg/L

True color 5 TCU

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

ARIEL B. SEVILLEN, RChT
Laboratory analyst, Chemistry
Reg. No. 0003055

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

Approved by:

MANUEL V. SACEDA JR.
OIC - Chief EMED

Certified by:

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Laboratory manager
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Noted by:

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OIC - Regional Director

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Laboratory
Sampler
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