

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 Isabel WQMA					
Address/Location:	Isabel, Leyte					
Sampled by:	R Udtohan & K. Benaires					
Date Arrived:	Mar 8, 2022 @ 4:35 PM	Date Acknowledged:	Mar 8, 2022 @ 4:40 PM			
Date Reported:	Mar 14 2022 @ 12:17 PM	1				

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information	
	2208-250	Mar 8, 2022 @ 10:01 AM	river water	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "Tabunok"	
	2208-251	Mar 8, 2022 @ 10:17 AM	river water	water sample placed in 250-mL acid-washed glass and1000-mL PET bottle labeled "Dupong"	
	2208-252	Mar 8, 2022 @ 10:45 AM	river water	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "Matlang"	
	2208-253	Mar 8, 2022 @ 8:55 AM	seawater	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "Benabaye"	
	2208-254	Mar 8, 2022 @ 10:07 AM	seawater	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "Marvel"	
2022-079	2208-255	Mar 8, 2022 @ 11:45 AM	seawater	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "Brgy. Libertad 1"	
	2208-256	Mar 8, 2022 @ 11:30 AM	seawater	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "Brgy. Libertad 2"	
	2208-257	Mar 8, 2022 @ 11:20 AM	seawater	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "Brgy, Libertad 3"	
	2208-258	Mar 8, 2022 @ 10:49 AM	seawater	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "Mabil"	
	2208-259	Mar 8, 2022 @ 10:32 AM	seawater	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "Buenavista"	
	2208-260	Mar 8, 2022 @12:01 PM	seawater	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "Sto.Nino"	

Environmental conditions during analysis:

Relative humidity: 48.2% Temperature: 21.4°C

CHARACTERISTICS:

Parameters	Date	Lab sample no.					
	Analyzed	250	251	252	253	254	255
BOD, mg/L	9-Mar-22	0.3	1.1	0.6	<u> </u>	-	-
TSS, mg/L	9-Mar-22	41	21	7	7	11	12
True color, TCU	9-Mar-22	10	5	5	5	5	5
NO3 as N, mg/L	9-Mar-22	0.46	0.25	0.08	1.23	0.08	ND
PO43- as P, mg/L	10-Mar-22	0.000	0.000	0.000	0.000	0.000	0.000
Cl , mg/L	9-Mar-22	110.22	2.88	5.80	12467.77	13322.99	33366.13
		256	257	258	259	260	
TSS, mg/L	9-Mar-22	ND	13	12	12	12	
True color, TCU	9-Mar-22	5	5	5	5	5	
NO3 ⁻ as N, mg/L	9-Mar-22	ND	0.13	ND	ND	0.08	
PO43- as P, mg/L	10-Mar-22	0.413	904.083	0.099	0.000	0.000	
CI , mg/L	9-Mar-22	37534.21	34078.01	37984.71	35075.83	34437.53	

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 5 TCU True color NO 3" as N, mg/L 0.0156 mg/L Cl", mg/L 0.089 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

SHEREY MAE V. BALAGAO, RCh

Laboratory analyst, Chemistry Reg. No. 0013722

ARIEL B. SEVILLENO, RChT

Laboratory analyst, Chemistry Reg. No. 0003055

Certified

APRILYN P DAÑAS, RCh Laboratory manager

Reg. No. 0011659

Approve

Noted by:

OIC - Regional Director

Laboratory Unit

Laboratory Sampler Records Unit



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Reg. No. 0013722

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

Approved by

MANUEL SACEDA JR.

OIC - Chef EMED

Noted by:

OIC - Regional Director

APRILYNA. DANAS, RCh

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CC

Laboratory Sampler Records Unit