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## 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:	San Pedro Bay (Waterbody Classification)			
Address/Location:	Marabut, Basey, Tanuan, Tolosa, Palo, Tacloban			
Sampled by:	M. Sudaria			
Date Arrived:	Mar 9, 2022 @ 2:39 PM	Date Acknowledged:	Mar 9, 2022 @ 2:42 PM	
Date Reported:	Mar 11, 2022 @10:41 AM			

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information
	2208-261	Mar 9, 2022 @ 2:00 PM	sea water	water sample placed in 250-mL acid-washed glass, 500-mL and 1000-mL PET bottle labeled "SPB 1"
	2208-262	Mar 9, 2022 @ 1:32 PM	sea water	water sample placed in 250-mL acid-washed glass, 500-mL and 1000-mL PET bottle labeled "SPB 2"
*	2208-263	Mar 9, 2022 @ 1:12 PM	sea water	water sample placed in 250-mL acid-washed glass, 500-mL and 1000-mL PET bottle labeled "SPB 3"
2022-080	2208-264	Mar 9, 2022 @ 12:32 PM	sea water	water sample placed in 250-mL acid-washed glass, 500-mL and 1000-mL PET bottle labeled "SPB 4"
	2208-265	Mar 9, 2022 @ 11:13 AM	sea water sample placed in 250-mL acid-wa 500-mL and 1000-mL PET bottle labele	
	2208-266	Mar 9, 2022 @ 10:51 AM	sea water water sample placed in 250-mL acid-was 500-mL and 1000-mL PET bottle labeled	
	2208-267	Mar 9, 2022 @ 10:26 AM	sea water	water sample placed in 250-mL acid-washed glass, 500-mL and 1000-mL PET bottle labeled "SPB 7"

Environmental conditions during analysis:

Relative humidity: 52.6% Temperature: 21.3 °C

#### CHARACTERISTICS:

Parameters	Date	Lab sample no.			
Parameters	Analyzed	261	262	263	264
TSS, mg/L	10-Mar-22	31	21	18	34
True color, TCU	10-Mar-22	5	5	15	5
NO <sub>3</sub> as N, mg/L	10-Mar-22	0.12	0.13	0.34	ND
PO <sub>4</sub> <sup>3-</sup> as P, mg/L	10-Mar-22	0.000	0.000	0.041	0.000
		265	266	267	
TSS, mg/L	10-Mar-22	45	12	3	
True color, TCU	10-Mar-22	5	5	5	
NO <sub>3</sub> as N, mg/L	10-Mar-22	0.22	1733.34	0.21	
PO <sub>4</sub> 3 <sup>-</sup> as P, mg/L	10-Mar-22	0.000	0.000	0.000	

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

True color - Visual comparison method

Nitrate (NO3") - Ion chromatography with Chemical Suppression of Eluent Conductivity

Phosphate (PO43-) - Ascorbic acid method

Method detection limit (MDL):

TSS

2.3 mg/L

True color

5 TCU

NO 3" 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

SHEREY MAE U) BALAGAO, RCh

Laboratory analyst, Chemistry

Reg. No. 0013722

Certified by

DAÑAS, RCh

Laboratory manager Reg. No. 0011659

J. SACEDA JR.

Laboratory Unit

Email embr8lab@yahoo.com

CC

Laboratory Sampler Records Unit



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	2208-266	Mar 9, 2022 @ 10:51 AM	sea water water sample placed in 250-mL acid-wast 500-mL and 1000-mL PET bottle labeled	
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Analyzed by:

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APRILYN A. DAÑAS Laboratory manager DAÑAS, RCh

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Approved by

MANUEL J. SACEDA JR.

OIC - CHIEF EMED

Noted by:

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Laboratory Sampler Records Unit