

## 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 Samar, Tacloban City, Palo, Tanauan and Tolosa, Levte			
Sampled by:	M. Sudaria			
Date Arrived:	Jan 25, 2022 @ 2:07 PM			
Date Reported:	Jan 26, 2022 @ 4:12 PM			

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information
	2208-049	Jan 25, 2022 @ 12:47 PM	sea water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "SPB1"
	2208-050	Jan 25, 2022 @ 12:40 PM	sea water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "SPB2"
	2208-051	Jan 25, 2022 @ 11:45 AM	sea water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "SPB3"
2022-018	2208-052	Jan 25, 2022 @ 11:30 AM	sea water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "SPB4"
	2208-053	Jan 25, 2022 @ 10:10 AM	sea water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "SPB5"
	2208-054	Jan 25, 2022 @ 9:11 AM	sea water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "SPB6"
	2208-055	Jan 25, 2022 @ 8:49 AM	sea water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "SPB7"

Environmental conditions during analysis:

Relative humidity: 61.4% Temperature: 21.5°C

#### CHARACTERISTICS:

Desembles	Date	Lab sample no.			
Parameters	Analyzed	049	050	051	052
TSS, mg/L	26-Jan-22	58	15	57	48
True color, TCU	26-Jan-22	5	5	10	5
NO <sub>3</sub> as N, mg/L	26-Jan-22	ND	11.266	0.034	4.181
PO <sub>4</sub> 3 <sup>-</sup> as P, mg/L	25-Jan-22	0.000	0.000	0.000	0.000
		053	054	055	
TSS, mg/L	26-Jan-22	43	72	26	i.
True color, TCU	26-Jan-22	5	20	10	
NO <sub>3</sub> as N, mg/L	26-Jan-22	11.662	0.73	0.684	
PO <sub>4</sub> 3 <sup>-</sup> as P, mg/L	25-Jan-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

CI, 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:

ANGELICA JOY G. YU, RCh

Technical Manager, Chemistry

Reg. No. 0012803

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AÑAS, RCh

Laboratory manager Reg. No. 0011659

SHEREY MAE U BALAGAO, RCh

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ARIEL B. SEVILLENO, RChT

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Approved by:

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Noted by:

REYNALDO B. BARRA

I Director

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Laboratory Sampler Records Unit



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