

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

Department: ENVIRONMENTAL MONITORING AND ENFORCEMENT DIVISION-AMBIENT SECTION

Name/Source:	Waterbody Classification		
Address/Location:	San Pedro Bay, Marabut, Basey, Tanuan, Tolosa, Palo, Tacloban		
Sampled by:	M. Sudaria		
Date Arrived:	Feb 15, 2022 @ 3:12 PM	Date Acknowledged:	Feb 15, 2022 @ 3:13 PM
Date Reported:	Feb 18, 2022 @ 4:46 PM		

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information
2022-040	2208-128	Feb 15, 2022 @ 1:53 PM	sea water	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "SPB 1"
	2208-129	Feb 15, 2022 @ 1:04 PM	sea water	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "SPB 2"
	2208-130	Feb 15, 2022 @ 12:45 PM	sea water	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "SPB 3"
	2208-131	Feb 15, 2022 @ 12:15 PM	sea water	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "SPB 4"
	2208-132	Feb 15, 2022 @ 11:00 AM	sea water	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "SPB 5"
	2208-133	Feb 15, 2022 @ 10:42 AM	sea water	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "SPB 6"
	2208-134	Feb 15, 2022 @ 10:09 AM	sea water	water sample placed in 250-mL acid-washed glass and 1000-mL PET bottle labeled "SPB 7"

Environmental conditions during analysis:  
Relative humidity: 46.3%  
Temperature: 23.1°C



CHARACTERISTICS:


Parameters	Date Analyzed	Lab sample no.			
		128	129	130	131
TSS, mg/L	18-Feb-22	37	36	21	17
True color, TCU	16-Feb-22	5	5	15	5
NO <sub>3</sub> <sup>-</sup> as N, mg/L	16-Feb-22	0.50	ND	ND	ND
PO <sub>4</sub> <sup>3-</sup> as P, mg/L	16-Feb-22	0.000	0.000	0.029	0.000
		132	133	134	
TSS, mg/L	18-Feb-22	56	44	22	
True color, TCU	16-Feb-22	5	5	5	
NO <sub>3</sub> <sup>-</sup> as N, mg/L	16-Feb-22	ND	0.43	0.20	
PO <sub>4</sub> <sup>3-</sup> as P, mg/L	16-Feb-22	0.000	0.000	0.000	

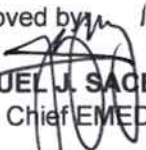
Method used: TSS - Gravimetric Method, dried @ 103-105 °C  
True color - Visual comparison method  
Nitrate (NO<sub>3</sub><sup>-</sup>) - Ion chromatography with Chemical Suppression of Eluent Conductivity  
Phosphate (PO<sub>4</sub><sup>3-</sup>) - Ascorbic acid method

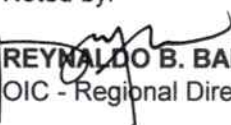
Method detection limit (MDL):  
TSS 2.3 mg/L  
True color 5 TCU  
NO<sub>3</sub><sup>-</sup> as N, mg/L 0.0156 mg/L

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:  
  
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Approved by:  
  
**MANUEL J. SACEDA JR.**  
OIC - Chief EMED

Noted by:  
  
**REYNALDO B. BARRA**  
OIC - Regional Director

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