

	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:	Ormoc bay WQMA		
Address/Location:	Ormoc City, Merida & Albuera Leyte		
Sampled by:	S Panis, R Udtohan		
Date Arrived:	Jan 26, 2022 @ 3:00 PM	Date Acknowledged:	Jan 26, 2022 @ 3:01 PM
Date Reported:	Jan 31, 2022 @ 11:06 AM		

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information
2022-021	2208-059	Jan 26, 2022 @ 12:26 PM	river water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "Anilao Up"
	2208-060	Jan 26, 2022 @ 1:17 PM	river water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "Anilao Down"
	2208-061	Jan 26, 2022 @ 9:33 AM	river water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "Malbasag Up"
	2208-062	Jan 26, 2022 @ 11:58 AM	river water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "Malbasag Down"
	2208-063	Jan 26, 2022 @ 9:09 AM	river water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "Albuera River"
	2208-064	Jan 26, 2022 @ 11:38 AM	river water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "Pagsangahan River"
	2208-065	Jan 26, 2022 @ 9:41 AM	river water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "Panilahan River"
	2208-066	Jan 26, 2022 @ 10:34 AM	river water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "Merida River"
	2208-067	Jan 26, 2022 @ 10:08 AM	Sea water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "Merida Coastal"
	2208-068	Jan 26, 2022 @ 9:00 AM	Sea water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "Albuera Coastal"
	2208-069	Jan 26, 2022 @ 10:51 AM	Sea water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "Filmag"
	2208-070	Jan 26, 2022 @ 11:26 AM	Sea water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "YMCA"
	2208-071	Jan 26, 2022 @ 11:43 AM	Sea water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "Don Felipe"
	2208-072	Jan 26, 2022 @ 9:59 AM	Sea water	water sample placed in 300-mL acid-washed glass and 1000-mL PET bottle labeled "Sals"

Environmental conditions during analysis:
Relative humidity: 44.5%
Temperature: 21.5°C

CHARACTERISTICS:

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Parameters	Date Analyzed	Lab sample no.						
		059	060	061	062	063	064	065
BOD, mg/L	26-Jan-22	1.7	2.3	1.7	1.1	2.9	3.5	1.9
TSS, mg/L	27-Jan-22	ND	16	ND	ND	260	81	1423
True color, TCU	27-Jan-22	5	10	5	5	10	10	5
NO ₃ ⁻ as N, mg/L	27-Jan-22	0.3938	0.0050	0.0044	0.0061	0.2105	0.3026	0.1188
PO ₄ ³⁻ as P, mg/L	27-Jan-22	0.000	0.082	0.000	0.017	0.148	0.000	0.611
Cl ⁻ , mg/L	27-Jan-22	0.010	0.018	0.010	0.013	0.021	15.733	0.019

	Date Analyzed	066	067	068	069	070	071	072
BOD, mg/L	26-Jan-22	0.9	-	-	-	-	-	-
TSS, mg/L	27-Jan-22	21	22	13	64	108	17	-
True color, TCU	27-Jan-22	5	5	5	5	10	5	14
NO ₃ ⁻ as N, mg/L	27-Jan-22	0.2001	ND	1.6801	ND	ND	0.3009	ND
PO ₄ ³⁻ as P, mg/L	27-Jan-22	0.000	0.000	0.000	0.000	0.000	0.101	0.000
Cl ⁻ , mg/L	27-Jan-22	0.021	-	-	-	-	-	-

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 ConductivityPhosphate (PO₄³⁻) Ascorbic acid method

Method detection limit (MDL):

BOD 0.1 mg/L

TSS 2.3 mg/L

True color 5 TCU

NO₃⁻ as N, mg/L 0.0156 mg/LCl⁻, 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

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