



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:	Coastal Water Assessment		
Address/Location:	Sogod, Southern Leyte		
Sampled by:	LL Bacalla		
Date Arrived:	Mar 7, 2022 @ 9:00 AM	Date Acknowledged:	Mar 7, 2022 @ 9:07 AM
Date Reported:	Mar 8, 2022 @ 5:33 PM		

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information
2022-077	2208-244	Mar 7, 2022 @ 06:03 PM	Sea Water	water sample placed in 750-mL glass and 500-mL PET bottle labeled "SGD 01"
	2208-245	Mar 7, 2022 @ 5:47 PM	Sea Water	water sample placed in 750-mL glass and 500-mL PET bottle labeled "SGD 02"
	2208-246	Mar 7, 2022 @ 5:28 PM	Sea Water	water sample placed in 750-mL glass and 500-mL PET bottle labeled "SGD 03"
	2208-247	Mar 7, 2022 @ 5:08 PM	Sea Water	water sample placed in 750-mL glass and 500-mL PET bottle labeled "SGD 04"
	2208-248	Mar 7, 2022 @ 4:33 PM	Sea Water	water sample placed in 750-mL glass and 500-mL PET bottle labeled "SGD 05"

Environmental conditions during analysis:

Relative humidity: 61.8%

Temperature: 21.2°C

CHARACTERISTICS:

Parameters	Date Analyzed	Lab sample no.				
		244	245	246	247	248
DO, mg/L	8-Mar-22	7.57	7.54	7.56	7.54	7.71
pH	8-Mar-22	8.25	8.28	8.29	8.28	8.29
TSS, mg/L	8-Mar-22	7	7	8	4	6
True Color, TCU	8-Mar-22	5	5	5	5	5
NO ₃ ⁻ as N, mg/L	8-Mar-22	0.35	0.21	0.23	0.22	0.23
PO ₄ ³⁻ as P, mg/L	8-Mar-22	0.000	0.000	0.000	0.000	0.002

Method used: DO - Electrometric method

pH - Electrometric method

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

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

Phosphate (PO₄³⁻) Ascorbic acid method

Method detection limit (MDL):

TSS 2.3 mg/L

NO₃⁻ as N, mg/ 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 LOBALAGAO, RCh
Laboratory analyst, Chemistry
Reg. No. 0013722

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

Approved by:

MANUEL J. SACEDA JR.
OIC - Chief EMED

Certified by:

APRILYN R. DAÑAS, RCh
Laboratory manager
Reg. No. 0011659

Noted by:

REYNALDO B. BARRA
OIC - Regional Director

cc

Laboratory Unit
Email: embr8lab@yahoo.com

Laboratory
Sampler
Records Unit

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

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pH - Electrometric method

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Analyzed by:

SHEREY MAE U. BALAGAO, RCh
Laboratory analyst, Chemistry
Reg. No. 0013722

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

Approved by:

MANUEL J. SACEDA JR.
OIC - Chief EMED

Certified by:

APRILYN R. DANAS, RCh
Laboratory manager
Reg. No. 0011659

Noted by:

REYNALDO B. BARRA
OIC - Regional Director

cc

Laboratory Unit
Email: embr8lab@yahoo.com



Fw: Letter Request for EMB Regional Environmental Laboratory services

From: EMB R08 - Office of the Regional Director (embr8_ord@emb.gov.ph)

To: embr8_records@emb.gov.ph; embr8_emb8@yahoo.com; embr8_records@yahoo.com

Date: Monday, 29 November 2021, 05:21 pm GMT+7

Forwarding

Office of the Regional Director

Environmental Management Bureau VIII

embr8_ord@emb.gov.ph

r8support@emb.gov.ph

From: Lelie Lou Bacalla <ll@bacallaph.com>

Sent: Monday, November 29, 2021 1:38 PM

To: EMB R08 - Office of the Regional Director <embr8_ord@emb.gov.ph>

Subject: Letter Request for EMB Regional Environmental Laboratory services

November 29, 2021

ENGR. REYNALDO B. BARRA

OIC, Regional Director

Environmental Management Bureau Region 8

Jones Ext., DENR Compound, Tacloban City

Dear Sir:

Good day!

I am respectfully sending this e-mail again sir hoping for your consideration and approval.

I am Engr. Lelie Lou Bacalla. I am an instructor at Southern Leyte State University, currently studying my master's degree, Master in Engineering major in Chemical Engineering. I am currently working on my capstone project and I am planning on doing a coastal water quality analysis on Sogod Bay. In connection, to this sir, I would like to humbly ask for your permission to seek the services and be able to send my water samples to the EMB 8 Regional Environment Laboratory for analysis.

My project design requires 10 to 15 samples for each of the following parameters:

1. pH



Republic of the Philippines
Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
Regional Office VIII
DENR-Compound, Brgy 2-Jones Ext., Tacloban City

VEHICLE TRIP TICKET

Instruction:

- To be filled in triplicate by the person requesting use of vehicle.
- Original copy for the Driver and to the Administrative Service Division/General Services

Section upon completion of Travel.		Date :
3. Triplicate to Administrative Division for Control.		Designation :
To be filled up by the person/staff requesting the use of the motor vehicle		Printed Name :
DRIVER ALBERTO C. LATOY		Signature :
Date: August 02, 2021		Requested by: ENGR. MA. CORAZON G. DACUYAN
Driver's Name: MARK ARIEL SELLAVE		Plate No.: SGN 182
Authorized Passenger/s		Duration Date: 8/2-9/2/21
Purpose: To Ferry EMB 8 Personnel		
Stock No. Unit Description Quantity Yes No Quantity		
DESTINATION: WITHIN TACLOBAN CITY, PALO, ALANG-ALANG, JARO, CARIGARA, AND BARUGO, LEYTE.		
SAN JUAN CO CABALAYAN, DULAG, LEYTE.		
Remarks		
Requestion		
PURPOSE: TO FERRY AND PICK UP EMB 8 PERSONNEL AS PART OF SKELETAL WORK FORCE.		
Office : EMB-R08		
Division : EMBD-SWM		
Responsibility Center Code :		

Entity Name : EMB-R08
Approved: _____
Recommend Approval: _____
Fund and Cluster : _____

REQUISITION AND ISSUE SLIP

Date :		Pastor I. Montejio		ENG. MA. CORAZON G. DACUYAN	
Designation :		SAO, ACCOUNTANT III		Chief Finance & Admin Division	
Printed Name :		ALBERTO C. LATOY		ENGR. MA. CORAZON G. DACUYAN	
Signature :		TRIP NO. DEPARTURE		ARRIVAL READING (INITIAL)	
Requested by: GASOLINE/INLINE		Issued by:		Approved by:	
Purpose: To Ferry EMB 8 Personnel					
Balance in tank					
Issued by office from stock					
Add: Purchase during the trip					
TOTAL					
Gasoline/Diesel Consumed/Used					
Gasoline/Diesel after trip					
Oil used added					
Requestion					
Gear Oil					
Brake Fluid					
Total Distance Traveled					
Meter Reading before Trip					
Meter Reading after Trip					
Division : EMBD-SWM					
Office : EMB-R08					
Entity Name : EMB-R08					

REQUISITION AND ISSUE SLIP

I HEREBY CERTIFY that the vehicle was used on official business as stated above

Date :		Pastor I. Montejio		ENG. MA. CORAZON G. DACUYAN	
Designation :		SAO, ACCOUNTANT III		Chief Finance & Admin Division	
Printed Name :		ALBERTO C. LATOY		ENGR. MA. CORAZON G. DACUYAN	
Signature :		APPROVED ON: _____		Approved by: _____	
Requested by: _____		Issued by: _____		Approved by: _____	
Purpose: To Ferry EMB 8 Personnel					
Stock No. Unit Description Quantity Yes No Quantity					
Requestion					
Gear Oil					
Brake Fluid					
Total Distance Traveled					
Meter Reading before Trip					
Meter Reading after Trip					
Division : EMBD-SWM					
Office : EMB-R08					
Entity Name : EMB-R08					

REQUISITION AND ISSUE SLIP

Entity Name : EMB-R08
Fund Cluster : _____

11/30/21, 10:16 AM

Yahoo Mail - Fw: Letter Request for EMB Regional Environmental Laboratory services

2. TSS
3. Phosphate
4. Nitrate
5. Color
6. Fecal Coliform

Moreover, I am planning to send the samples in 3 batches, hopefully within the year.

I am respectfully asking for your permission sir since this is the only environmental laboratory that I can tap into that is closer to my hometown, which is Sogod, Southern Leyte.

Thank you so much, sir and I am hoping for a favorable reply to my request. More power and God bless!

Respectfully,

Lelie Lou Bacalla

Requester

09178785031

