



DOH ACCREDITATION NUMBER: 02-002-2022-LW-2

Test Report No.: 2022-893

REPORT OF ANALYSIS

Laboratory Reference No. : R2-122022-CHE-0893
Sample Submitted : Water Sample
Submitted by : Ma. Cristina P. Angeles
E.H. Sison Engineers Corp.
Address : Makati City

Sampling Date : November 30, 2022/09:30 AM
Date Submitted : December 01, 2022/12:00 PM
Date Reported : January 06, 2023

Sample Code	Sample Description	Parameter	Result	Standard*	Method Used	Date of Analysis	ANALYST
CHE-1068	Station 1	pH @ 21.7°C	7.7	6.5-8.5 5.0-7.0**	Potentiometry	December 1, 2022	GGP
		Total Dissolved Solids (mg/L)	102.5	600 10**	TDS Meter	December 1, 2022	GGP
		Turbidity (NTU)	9.3	5	Nephelometric	December 1, 2022	GGP
		Color (CU)	59	10	Platinum-Cobalt Standard Method	December 1, 2022	GGP
		Nitrates (mg/L)	3.3	50	Cadmium Reduction Method	December 1, 2022	GGP
		Arsenic (mg/L)	< 0.005	0.01	GFAAS	January 03, 2023	FVV
		Cadmium (mg/L)	< 0.0005	0.003	GFAAS	January 05, 2023	FVV
		Lead (mg/L)	< 0.005	0.01	GFAAS	January 04, 2023	FVV
CHE-1069	Station 2	pH @ 21.8°C	7.8	6.5-8.5 5.0-7.0**	Potentiometry	December 1, 2022	GGP
		Total Dissolved Solids (mg/L)	111.5	600 10**	TDS Meter	December 1, 2022	GGP
		Turbidity (NTU)	5.1	5	Nephelometric	December 1, 2022	GGP
		Color (CU)	58	10	Platinum-Cobalt Standard Method	December 1, 2022	GGP
		Nitrates (mg/L)	4.4	50	Cadmium Reduction Method	December 1, 2022	GGP
		Arsenic (mg/L)	< 0.005	0.01	GFAAS	January 03, 2023	FVV
		Cadmium (mg/L)	< 0.0005	0.003	GFAAS	January 05, 2023	FVV
		Lead (mg/L)	< 0.005	0.01	GFAAS	January 04, 2023	FVV

REMARKS :

The result/s given in this report was those obtained at the time of test and refers only to the particular sample submitted. This report shall not be reproduced except in full without the written approval of the DOST Regional Office 02.

Certified Correct by:


FREEDOM FAYE V. VERZOLA
Technical Manager, Chemical Testing Lab
Lic #0014332

Not valid without seal



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Sample Code	Sample Description	Parameter	Result	Standard*	Method Used	Date of Analysis	ANALYST
CHE-1070	Station 3	pH @ 21.7°C	8.0	6.5-8.5 5.0-7.0**	Potentiometry	December 1, 2022	GGP
		Total Dissolved Solids (mg/L)	273	600 10**	TDS Meter	December 1, 2022	GGP
		Turbidity (NTU)	73.8	5	Nephelometric	December 1, 2022	GGP
		Color (CU)	433	10	Platinum-Cobalt Standard Method	December 1, 2022	GGP
		Nitrates (mg/L)	6.1	50	Cadmium Reduction Method	December 1, 2022	GGP
		Arsenic (mg/L)	0.007	0.01	GFAAS	January 03, 2023	FVV
		Cadmium (mg/L)	< 0.0005	0.003	GFAAS	January 05, 2023	FVV
		Lead (mg/L)	< 0.005	0.01	GFAAS	January 04, 2023	FVV
CHE-1071	Station 4	pH @ 21.8°C	7.6	6.5-8.5 5.0-7.0**	Potentiometry	December 1, 2022	GGP
		Total Dissolved Solids (mg/L)	112	600 10**	TDS Meter	December 1, 2022	GGP
		Turbidity (NTU)	10.5	5	Nephelometric	December 1, 2022	GGP
		Color (CU)	52	10	Platinum-Cobalt Standard Method	December 1, 2022	GGP
		Nitrates (mg/L)	3.3	50	Cadmium Reduction Method	December 1, 2022	GGP
		Arsenic (mg/L)	< 0.005	0.01	GFAAS	January 03, 2023	FVV
		Cadmium (mg/L)	< 0.0005	0.003	GFAAS	January 05, 2023	FVV
		Lead (mg/L)	< 0.005	0.01	GFAAS	January 04, 2023	FVV

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METHODOLOGY:

pH
Procedure Description: The pH was determined using pH/Conductivity meter. (APHA-AWWA-WEF Standard Methods for the Examination of Water and Wastewater, 23rd ed. Method No.4500-H⁺ B)

Total Dissolved Solids
Procedure Description: The total dissolved solids were determined using TDS Meter.

Turbidity
Procedure Description: The turbidity was determined using Turbidity Meter. (APHA-AWWA-WEF Standard Methods for the Examination of Water and Wastewater, 23rd ed. Method No.2130 B)

Nitrates
Procedure Description: The nitrates were determined using HACH cadmium reduction method (Method 8039).


Color
Procedure Description: The color was determined using DR 3900 Spectrophotometer. (Method 8025)

Arsenic, Lead and Cadmium
Procedure Description: Sample was digested and directly aspirated using Graphite Furnace-Atomic Absorption Spectrophotometer (APHA-AWWA-WEF Standard Methods for the Examination of Water and Wastewater, 23rd ed. Method No. 3113 B)

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