LAGUNA AAAWATER CORPORATION
OPERATIONS DEPARTMENT
LABORATORY SERVICES

CHEMICAL ANALYSIS OF SAMPLES FROM SOURCE AND CONSUMER'S TAPS - PROVINCE OF LAGUNA

CITY/MUNICIPALITY SAN PABLO | **MONTH** : NOVEMBER | **YEAR** : 2019

DOH ACCREDIATION NO : 04A-001-1820-LW-2 | **VALIDITY** : December 31, 2020 | **DOCUMENT NO** : TR-19-3430

SAMPLE LOCATION			DATE COLLECTED	SAMPLE CODE	PHYSICAL/ CHEMICAL PARAMETERS																	
NO	ADDRESS	TYPE			*pH[1]	*Residual Chlorine[2] (mg/L)	Color apparent[3] (ACU)	Turbidity[4] (NTU)	Odor[5]	Taste[6]	TDS[7] (mg/L)	Total Hardness[8] (mg/L)	Fluoride[9] (mg/L)	Chloride[9] (mg/L)	Nitrate[9] (mg/L)	Sulfate[9] (mg/L)	Chromium[10] (mg/L)	Manganese[10] (mg/L)	Iron[10] (mg/L)	Copper[10] (mg/L)	Zinc[10] (mg/L)	Arsenic[10] (mg/L)	Cadmium[10] (mg/L)	Lead[10] (mg/L)
Brgy. San Bartolome																						
1	Water Pump Bella Vita Subd.	S	5-Nov	S19-6434	7.24/ 33.2	0.96	5	1.9	UO	UO	450	251	0.399	10.9	< 1.14	25.2	0.0000876	0.00614	0.0914	0.000613	0.000341	0.00214	0.0000315	< 0.0000324
2	Bella Vita Subd.	D	5-Nov	S19-6435	7.63/29.1	1.05	< 2	0.30	UO	UO	430	251	0.364	10.6	< 1.14	23.5	0.0000632	0.00542	0.0826	0.000421	0.000386	0.00187	0.0000286	< 0.0000324
Brgy. San Lucas																						
3	Water Pump Amaia Scapes	S	5-Nov	S19-6436	7.87/ 28.7	0.92	< 2	0.90	UO	UO	273	158	0.541	4.90	3.66	17.2	< 0.000037	0.0323	0.169	< 0.0000494	0.00152	< 0.0000701	< 0.0000139	< 0.0000324
4	Block 65 Lot Amaia Scapes	D	5-Nov	S19-6437	7.61/ 27.6	1.07	< 2	0.40	UO	UO	243	144	0.547	4.90	3.67	17.0	< 0.000037	0.0218	0.141	< 0.0000494	0.00126	< 0.0000701	< 0.0000139	< 0.0000324
TOTAL SAMPLES ANALYZED		**4**	**PNSDW LIMIT (MAL)**		**6.5 – 8.5**	**0.30 – 1.50**	**10**	**5**	**UO**	**UO**	600	**300**	**1.50**	**250**	**50**	**250**	**0.05**	**0.4**	**1.0**	**1.0**	**5.0**	**0.01**	**0.003**	**0.01**

REMARKS: Samples analyzed as submitted

LEGEND: S - Source, D - Distribution, MAL - Maximum Allowable Limit, NT - Not Tested, NTU – Nephelometric Turbidity Unit, UO – Unobjectionable, NFT-Not Fit to Taste, ACU- Apparent Color Unit, nsl-no set limit, *tested on-site, < less than detection limit

METHODS USED: [1]4500-H+. Electrometric, [2]4500-Cl-G.DPD Colorimetric, [3]2120B. Visual Comparison (Pt-Co), [4]2130. Nephelometric, [5]2150. Sensory, [6]2160. Sensory, [7]2540C. Total Dissolved Solids (TDS) dried @ 180°C, [8]2340C. EDTA Titrimetric, [9]4110B. Ion Chromatography, [10]SAMPLE PREPARATION: 3030K. Microwave-Assisted Nitric Acid Digestion ANALYSIS: 3125. Metals by Inductively-Coupled Plasma – Mass Spectrometer (ICP-MS)

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