



LAGUNA AAAWATER CORPORATION
OPERATIONS DEPARTMENT
LABORATORY SERVICES

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

CITY/MUNICIPALITY : CABUYAO			MONTH : NOVEMBER			YEAR : 2019																		
DOH ACCREDITATION NO : 04A-001-1820-LW-2			VALIDITY : December 31, 2020			DOCUMENT NO : TR-19-3433																		
NO	SAMPLE LOCATION		DATE COLLECTED	SAMPLE CODE	PHYSICAL/ CHEMICAL PARAMETERS																			
	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. Pulo																								
1	Water Pump, Block 12 Lot 22 Cabuyao Central	S	7-Nov	S19-6515	7.84/ 28.7	0.57	< 2	0.20	UO	UO	313	162	0.436	3.93	< 1.14	5.60	0.0000562	0.0314	0.00587	0.000723	0.0000713	0.0000322	0.00000416	0.0000513
2	Clubhouse Narra Avenue Cabuyao Central	D	7-Nov	S19-6516	7.86/ 28.9	0.98	< 2	1.9	UO	UO	300	160	0.410	3.84	< 1.14	5.70	0.0000554	0.0312	0.00586	0.000721	0.0000711	0.0000312	0.00000411	0.0000512
3	Water Pump, Block 11, Willow Park Homes	D	7-Nov	S19-6517	7.83/ 29.2	1.02	< 2	< 0.13	UO	UO	437	207	0.410	21.3	< 1.14	27.8	0.0000548	0.0311	0.00575	0.000713	0.0000708	0.0000321	0.00000409	0.0000507
4	Clubhouse, Willow Park Home	S	7-Nov	S19-6518	7.84/ 29.0	0.54	5	< 0.13	UO	UO	413	238	0.414	20.60	< 1.14	26.3	0.0000564	0.0317	0.00589	0.000726	0.0000714	0.0000325	0.00000417	0.0000514
Brgy. Banlic																								
5	Water Pump, Gran Seville Subd.	S	7-Nov	S19-6519	7.89/ 29.2	0.61	5	0.25	UO	UO	307	167	0.458	5.53	< 1.14	6.49	0.0000613	0.0427	0.00614	0.000828	0.0000904	0.0000416	0.00000409	0.0000618
6	Gate Entrance, Gran Seville Subd.	D	7-Nov	S19-6520	7.63/ 27.4	0.87	5	0.25	UO	UO	313	168	0.457	5.49	< 1.14	6.52	0.0000608	0.0418	0.00613	0.000825	0.0000901	0.0000412	0.00000401	0.0000617
Brgy. San Isidro																								
7	Water Pump, San Isidro Heights Subd.	S	7-Nov	S19-6521	7.81/ 28.6	0.96	< 2	< 0.13	UO	UO	317	170	0.454	7.16	< 1.14	6.43	0.0000621	0.0436	0.00632	0.000859	0.0000921	0.0000438	0.00000442	0.0000687
8	Block 3 Lot 1, San Isidro Heights Subd.	D	7-Nov	S19-6522	7.83/ 28.7	1.04	< 2	< 0.13	UO	UO	310	161	0.448	7.10	< 1.14	6.48	0.0000619	0.0432	0.00630	0.000851	0.0000919	0.0000432	0.00000439	0.0000682
9	Block 3 Lot 33, Multiland IV Subd.	D	7-Nov	S19-6523	7.75/ 28.1	1.06	< 2	< 0.13	UO	UO	310	192	0.445	6.98	< 1.14	6.25	0.0000620	0.0433	0.00631	0.000852	0.0000917	0.0000436	0.00000434	0.0000685
Brgy. Mamatid																								
10	Water Pump, Joshua St., Phase V, Mabuhay City Homes	S	7-Nov	S19-6524	7.64/ 28.2	0.98	< 2	0.15	UO	UO	307	138	0.460	8.49	< 1.14	6.04	0.0000638	0.0447	0.00654	0.000872	0.0000964	0.0000414	0.00000437	0.0000676
11	Block 31 Lot 134 Joshua St., Phase V, Mabuhay City Homes	D	7-Nov	S19-6525	7.78/ 29.2	1.04	< 2	< 0.13	UO	UO	300	153	0.459	6.85	< 1.14	5.99	0.0000636	0.0445	0.00652	0.000871	0.0000962	0.0000411	0.00000433	0.0000672
12	Water Pump, Panganig St., Phase III Cluster, Mabuhay City Homes	S	7-Nov	S19-6526	7.68/ 29.4	0.87	< 2	< 0.13	UO	UO	400	231	< 0.217	0.403	< 1.14	< 0.669	0.0000643	0.0467	0.00653	0.000817	0.0000905	0.0000479	0.00000462	0.0000689
13	Block 1 Lot 17 Dizon St., Phase III Cluster, Mabuhay City Homes	D	7-Nov	S19-6527	7.56/ 27.1	0.99	< 2	0.25	UO	UO	420	243	0.419	25.9	< 1.14	28.6	0.0000641	0.0465	0.00651	0.000816	0.0000903	0.0000474	0.00000467	0.0000685
Brgy. Niugan																								
14	Water Pump, Southville Phase IX	S	13-Nov	S19-6761	7.18/ 29.5	0.30	10	0.55	UO	UO	293	287	0.429	55.6	< 1.14	28.5	0.0000678	0.0465	0.00643	0.000828	0.0000917	0.0000497	0.00000454	0.0000634
15	De Guzman Residence Southville Phase IX	D	13-Nov	S19-6762	7.20/ 29.5	0.30	10	4.3	UO	UO	588	288	0.436	55.8	< 1.14	29.2	0.0000653	0.0458	0.00647	0.000814	0.0000932	0.0000435	0.00000476	0.0000618
16	De Guzman Residence Southville Phase IX	D	25-Nov	S19-6988	7.34/ 26.5	0.30	5	0.35	UO	UO	487	286	0.421	55.8	< 1.14	< 0.669	0.0000609	0.0478	0.00687	0.000834	0.0000976	0.0000434	0.00000404	0.0000616
Brgy. Sala																								
17	Gate Entrance, Amaia Scapes	D	13-Nov	S19-6763	7.52/ 30.6	0.35	< 2	< 0.13	UO	UO	413	187	0.430	8.53	< 1.14	11.1	0.0000653	0.0432	0.00674	0.000839	0.0000965	0.0000488	0.00000470	0.0000681
TOTAL SAMPLES ANALYZED		17	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, NPT - Not Fit to Taste, ACU - Apparent Color Unit, nsl - no set limit, *tested on-site, < - less than detection limit

METHODS USED: ¹4500-H+, Electrometric, ²4500-Cl-G-DPD Colorimetric, ³2120B. Visual Comparison (Pt-Co), ⁴2130. Nephelometric, ⁵2150. Sensory, ⁶2160. Sensory, ⁷2540C. Total Dissolved Solids (TDS) dried @ 180°C, ⁸2340C. EDTA Titrimetric, ⁹4110B. Ion Chromatography, ¹⁰SAMPLE PREPARATION: 3030K. Microwave-Assisted Nitric Acid Digestion ANALYSIS: 3125. Metals by Inductively-Coupled Plasma - Mass Spectrometer (ICP-MS)

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