



LAGUNA AA WATER CORPORATION
OPERATIONS DEPARTMENT
LABORATORY SERVICES

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

CITY/MUNICIPALITY : SANTA ROSA		MONTH : NOVEMBER		YEAR : 2019																					
DOH ACCREDITATION NO : 04A-001-1820-LW-2		VALIDITY : December 31, 2020		DOCUMENT NO : TR-19-3434																					
SAMPLE LOCATION				PHYSICAL/ CHEMICAL PARAMETERS																					
NO	ADDRESS	TYPE	DATE COLLECTED	SAMPLE CODE	*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. Balibago																									
1	555 Water Pump, South Hampton Residences	S	4-Nov	S19-6359	7.55/ 29.9	0.93	< 2	0.15	UO	UO	307	151	0.458	7.44	< 1.14	6.78	0.0000316	0.0112	0.00421	0.000534	0.0000654	0.0000312	0.00000187	0.0000398	
2	Clubhouse, South Hampton	D	4-Nov	S19-6360	7.55/ 30.6	1.04	< 2	< 0.13	UO	UO	340	149	0.410	7.41	1.38	5.84	0.0000281	0.0109	0.00413	0.000519	0.0000632	0.0000298	0.00000165	0.0000376	
3	Block 5 Lot 25, JB Village	D	11-Nov	S19-6642	7.15/ 26.6	0.90	< 2	0.15	UO	UO	223	151	0.295	3.60	5.47	9.39	0.0000292	0.0205	0.00386	0.000427	0.0000704	0.0000267	0.00000132	0.0000318	
4	Cistern Tank Walter Mart	D	25-Nov	S19-6984	7.35/ 26.7	0.87	< 2	0.40	UO	UO	277	156	0.470	7.18	< 1.14	6.15	0.0000293	0.0206	0.00383	0.000429	0.0000701	0.0000269	0.00000134	0.0000321	
5	2nd Floor, Walter Mart	D	25-Nov	S19-6985	7.32/ 26.8	0.88	< 2	0.15	UO	UO	280	160	0.469	7.37	< 1.14	6.41	0.0000294	0.0204	0.00387	0.000428	0.0000703	0.0000268	0.00000138	0.0000316	
Brgy. Dila																									
6	Clubhouse, Villa Esmeralda	D	4-Nov	S19-6370	7.50/ 31.2	0.97	< 2	< 0.13	UO	UO	327	160	0.456	7.52	< 1.14	6.07	0.0000508	0.0213	0.00613	0.000715	0.0000628	0.0000227	0.00000384	0.0000425	
7	Water Pump Phase III E Mabuhay Homes 2000	S	11-Nov	S19-6631	7.25/ 31.2	0.33	< 2	< 0.13	UO	UO	313	247	0.308	40.7	< 1.14	34.4	0.0000506	0.0211	0.00609	0.000716	0.0000632	0.0000231	0.00000396	0.0000429	
8	Block 2 Lot 10 Phase III E Mabuhay Homes 2000	D	11-Nov	S19-6632	7.20/ 30.2	0.34	< 2	< 0.13	UO	UO	520	277	0.377	40.7	< 1.14	32.3	0.0000503	0.0209	0.00611	0.000714	0.0000627	0.0000226	0.00000382	0.0000423	
9	Water Pump Block 12 IIE Mabuhay Homes 2000	S	11-Nov	S19-6633	7.44/ 29.1	0.41	5	0.40	UO	UO	490	287	0.898	25.3	42.5	43.1	0.0000512	0.0234	0.00629	0.000735	0.0000664	0.0000238	0.00000395	0.0000438	
10	Block 13 Lot 5 Phase III E Mabuhay Homes 2000	D	11-Nov	S19-6634	7.39/ 27.1	0.39	5	0.40	UO	UO	477	285	0.374	27.5	< 1.14	43.9	0.0000509	0.0233	0.00628	0.000730	0.0000662	0.0000234	0.00000392	0.0000436	
11	Drinking Fountain Dila Elementary School	D	11-Nov	S19-6635	7.23/ 35.3	1.04	< 2	< 0.13	UO	UO	263	144	0.281	3.46	4.28	0.428	0.0000508	0.0232	0.00627	0.000731	0.0000661	0.0000236	0.00000393	0.0000431	
Brgy. Dita																									
12	Clubhouse, San Lorenzo	D	4-Nov	S19-6361	7.59/ 31.5	0.91	< 2	< 0.13	UO	UO	350	155	0.458	7.51	< 1.14	5.86	0.0000293	0.0106	0.00409	0.000516	0.0000628	0.0000228	0.00000164	0.0000361	
13	Water Pump Block 24 Lot 2 New Sta. Rosa Homes	S	11-Nov	S19-6636	7.65/ 30.6	0.47	5	0.25	UO	UO	270	159	0.283	5.95	< 1.14	4.69	0.0000487	0.0327	0.00674	0.000736	0.0000619	0.0000231	0.00000396	0.0000429	
14	Block 19 Lot 11 New Sta. Rosa Homes	D	11-Nov	S19-6637	7.52/ 25.6	0.36	< 2	0.30	UO	UO	290	162	0.356	6.80	< 1.14	4.57	0.0000486	0.0325	0.00671	0.000734	0.0000615	0.0000231	0.00000395	0.0000428	
15	Water Tank Solcar Ville Subd.	D	11-Nov	S19-6638	7.42/ 29.8	0.31	< 2	< 0.13	UO	UO	307	136	0.400	9.35	< 1.14	10.3	0.0000316	0.0111	0.00435	0.000587	0.0000614	0.0000227	0.00000165	0.0000334	
16	Block 3 Lot 7 Solcar Ville Subd	D	11-Nov	S19-6639	7.36/ 27.7	0.35	< 2	< 0.13	UO	UO	313	174	0.406	9.53	< 1.14	10.1	0.0000313	0.0109	0.00432	0.000584	0.0000613	0.0000228	0.00000162	0.0000331	
17	R&B Plant INC.	D	11-Nov	S19-6645	7.18/ 28.8	0.96	< 2	< 0.13	UO	UO	257	152	0.373	4.66	4.02	8.00	0.0000310	0.0105	0.00412	0.000509	0.0000634	0.0000238	0.00000165	0.0000323	
18	1780 National Road	D	11-Nov	S19-6646	7.18/ 28.2	1.19	< 2	< 0.13	UO	UO	233	142	0.423	4.41	5.99	9.58	0.0000287	0.0117	0.00428	0.000535	0.0000649	0.0000233	0.00000184	0.0000376	
Brgy. Don Jose																									
19	8001 Pump I Acacia St.	S	13-Nov	S19-6717	7.34/ 25.7	0.34	< 2	< 0.13	UO	UO	340	163	0.425	4.83	3.87	7.17	0.0000467	0.0343	0.00678	0.000713	0.0000624	0.0000356	0.00000489	0.0000425	
20	ClubHouse, Phase IV-B Santa Rosa Village I	D	13-Nov	S19-6718	7.37/ 25.6	0.32	< 2	< 0.13	UO	UO	353	156	0.435	4.86	3.87	7.56	0.0000434	0.0316	0.00674	0.000789	0.0000656	0.0000321	0.00000427	0.0000449	
21	ClubHouse, Santa Rosa Village II	D	13-Nov	S19-6719	7.46/ 26.2	0.30	< 2	< 0.13	UO	UO	340	155	0.32	4.59	3.73	7.31	0.0000478	0.0365	0.00687	0.000747	0.0000653	0.0000329	0.00000418	0.0000423	
22	Pump 9&10, Santa Rosa Estate I	S	13-Nov	S19-6720	7.39/ 26.6	0.63	< 2	< 0.13	UO	UO	367	169	0.427	4.67	3.69	7.42	0.0000456	0.0325	0.00676	0.000718	0.0000624	0.0000398	0.00000476	0.0000497	
23	ClubHouse, Santa Rosa Estate I	D	13-Nov	S19-6721	7.32/ 26.3	0.55	< 2	< 0.13	UO	UO	390	159	0.439	4.71	3.70	7.45	0.0000454	0.0373	0.00632	0.000728	0.0000665	0.0000386	0.00000413	0.0000426	
24	ClubHouse, Santa Rosa Estate II	D	13-Nov	S19-6722	7.40/ 26.6	0.49	< 2	< 0.13	UO	UO	380	157	0.440	4.67	3.75	7.40	0.0000486	0.0365	0.00619	0.000764	0.0000623	0.0000331	0.00000438	0.0000427	
25	Science High School Phase I, Laguna BelAir	D	13-Nov	S19-6723	7.38/ 26.5	0.85	< 2	< 0.13	UO	UO	357	150	0.444	4.69	3.82	7.42	0.0000498	0.0387	0.00654	0.000726	0.0000666	0.0000345	0.00000434	0.0000526	
26	Block 34 Lot 5, Phase I, Laguna BelAir	D	13-Nov	S19-6724	7.35/ 26.6	0.47	< 2	< 0.13	UO	UO	367	149	0.370	3.09	2.31	4.67	0.0000518	0.0367	0.00615	0.000724	0.0000676	0.0000385	0.00000419	0.0000426	
27	Block 108 Phase V, Laguna BelAir	D	13-Nov	S19-6725	7.30/ 26.7	0.39	< 2	< 0.13	UO	UO	173	151	0.430	4.75	3.54	6.65	0.0000417	0.0326	0.00676	0.000785	0.0000625	0.0000389	0.00000429	0.0000423	
28	Dream Model House Block 90 Lot 3 Laguna BelAir III	D	13-Nov	S19-6726	7.20/ 26.4	0.39	< 2	< 0.13	UO	UO	340	152	0.283	2.84	2.68	5.74	0.0000567	0.0413	0.00716	0.000875	0.0000897	0.0000314	0.00000438	0.0000427	
29	Hillcrest Road DK, Laguna Belair III	D	13-Nov	S19-6727	7.35/ 26.5	0.33	< 2	< 0.13	UO	UO	323	158	0.432	4.68	3.63	6.78	0.0000467	0.0354	0.00671	0.000764	0.0000625	0.0000376	0.00000498	0.0000413	
30	ClubHouse, Laguna Belair III	D	13-Nov	S19-6728	7.32/ 26.2	0.45	< 2	< 0.13	UO	UO	350	149	0.419	4.12	6.58	8.64	0.0000454	0.0317	0.00653	0.000724	0.0000652	0.0000328	0.00000435	0.0000426	
31	Block 47 Lot 12 Phase IV, Laguna BelAir	D	13-Nov	S19-6729	7.29/ 26.8	0.25	< 2	< 0.13	UO	UO	337	153	0.428	4.10	6.59	8.29	0.0000485	0.0316	0.00687	0.000742	0.0000641	0.0000316	0.00000464	0.0000459	
32	Drinking Fountain Don Jose National High School	D	13-Nov	S19-6730	7.26/ 26.8	0.85	< 2	< 0.13	UO	UO	337	149	0.429	4.10	6.65	8.45	0.0000465	0.0317	0.00694	0.000725	0.0000615	0.0000385	0.00000436	0.0000422	
Brgy. Macabiling																									
33	Water Pump, Buena Rosa IX Subd.	S	12-Nov	S19-6703	7.28/ 26.5	0.34	< 2	< 0.13	UO	UO	523	230	0.471	29.2	< 1.14	25.4	0.0000317	0.0467	0.00543	0.000876	0.0000627	0.0000347	0.00000267	0.0000514	
34	Block 4 Lot 44 Phase II Buena Rosa IX Subd.	D	12-Nov	S19-6704	7.14/ 26.7	0.71	< 2	< 0.13	UO	UO	503	203	0.469	28.70	< 1.14	24.9	0.0000318	0.0465	0.00547	0.000879	0.0000622	0.0000341	0.00000268	0.0000513	
Brgy. Maltilit																									
35	Water Pump, Block 3 Lot 1, Phase 1A Annex, San Lorenzo	S	4-Nov	S19-6362	7.36/ 23.5	0.45	< 2	0.15	UO	UO	377	194	0.428	14.1	< 1.14	18.6	0.0000316	0.0112	0.00421	0.000534	0.0000654	0.0000312	0.00000187	0.0000398	
36	Block 5 Lot 25, Phase 1A Annex, San Lorenzo	D	4-Nov	S19-6363	7.40/ 30.0	0.33	< 2	< 0.13	UO	UO	387	195	0.412	14.1	< 1.14	18.6	0.0000309	0.0111	0.00426	0.000528	0.0000649	0.0000308	0.00000176	0.0000387	
37	Water Pump, 9999 W, Villa Las Casas	S	4-Nov	S19-6364	7.33/ 29.5	0.34	< 2	0.15	UO	UO	363	199	0.412	12.4	< 1.14	21.0	0.0000412	0.0127	0.00435	0.000612	0.0000528	0.0000418	0.00000216	0.0000434	
38	Block 1 Lot 17, Villa Las Casas	D	4-Nov	S19-6365	7.25/ 29.9	0.29	< 2	0.15	UO	UO	367	199	0.408	12.4	< 1.14	22.6	0.0000407	0.0123	0.00432	0.000609	0.0000525	0.0000413	0.00000214	0.0000430	
39	Water Pump, Main Road Phase 2, Terra Fortuna	S	4-Nov	S19-6366	7.48/ 29.5	0.70	5	0.30	UO	UO	290	154	0.290	5.65	< 1.14	5.14	0.0000514	0.0216	0.00613	0.000708	0.0000613	0.0000218	0.00000386	0.0000411	
40	Block 11 Lot 16, Terra Fortuna	D	4-Nov	S19-6367	7.48/ 29.3	0.74	5	0.30	UO	UO	330	157	0.411	6.06	< 1.14	5.28	0.0000506	0.0212	0.00608	0.000704	0.0000606	0.0000214	0.00000383	0.0000411	
41	Blow off Brewery Eton City	S	13-Nov	S19-6731	7.28/ 26.4	0.62	< 2	< 0.13	UO	UO	373	148	0.430	4.13	6.68	8.55	0.0000505	0.0211	0.00611	0.000723	0.0000645	0.0000209	0.00000376	0.0000434	
42	Water Pump Casan Subd.	S	13-Nov	S19-6640	7.52/ 29.4	0.43	5	0.20	UO	UO	267	174	0.412	5.28	< 1.14	5.23	0.0000418	0.0124	0.00417	0.000567	0.0000681	0.0000356	0.00000234	0.0000429	
43	Casan Residence Subd.	D	11-Nov	S19-6641	7.18																				

Brgy. Tagapo


47	Water Pump Metrogate Heritage Subd.	S	11-Nov	S19-6643	7.20/ 27.8	1.00	< 2	< 0.13	UO	UO	290	174	0.332	9.70	< 1.14	10.8	0.0000434	0.0214	0.00618	0.000717	0.0000623	0.0000225	0.00000384	0.0000416
48	ClubHouse Metrogate Heritage Subd. National Road	D	11-Nov	S19-6644	7.18/ 28.8	0.96	< 2	< 0.13	UO	UO	233	136	0.413	4.26	5.86	9.38	0.0000416	0.0213	0.00617	0.000712	0.0000618	0.0000222	0.00000381	0.0000408
49	Block 3 Lot 5, Buena Rosa I Subd	D	12-Nov	S19-6691	7.58/ 24.6	0.35	10	0.55	UO	UO	430	168	0.473	9.80	< 1.14	8.48	0.0000528	0.0217	0.00627	0.000748	0.0000622	0.0000243	0.00000359	0.0000483
50	Water Pump, Buena Rosa I Subd.	S	12-Nov	S19-6707	7.54/ 28.1	0.45	10	0.50	UO	UO	390	182	0.257	0.785	< 1.14	< 0.669	0.0000387	0.0208	0.00415	0.000638	0.0000895	0.0000446	0.00000357	0.0000498
51	Water Pump, Buena Rosario I Subd.	S	20-Nov	S19-6915	7.62/ 28.1	0.35	< 2	< 0.13	UO	UO	310	138	0.412	8.53	< 1.14	10.4	0.0000427	0.0288	0.00719	0.000726	0.0000654	0.0000237	0.00000394	0.0000411
52	Block 1 Lot 18, Fairfield of mangana Subd.	D	20-Nov	S19-6917	7.54/ 28.2	0.30	5	< 0.13	UO	UO	293	144	0.41	11.0	< 1.14	10.5	0.0000554	0.0231	0.00681	0.000764	0.0000698	0.0000229	0.00000372	0.0000465
53	Water Pump, Buena Rosa I Subd.	S	25-Nov	S19-6986	7.56/ 27.3	0.37	5	0.20	UO	UO	290	166	0.464	9.76	< 1.14	6.99	0.0000556	0.0276	0.00664	0.000787	0.0000612	0.0000245	0.00000362	0.0000429
54	Block 3 Lot 5, Buena Rosa I Subd	D	25-Nov	S19-6987	7.62/ 28.1	0.36	8	0.25	UO	UO	283	165	0.462	8.66	< 1.14	7.11	0.0000348	0.0198	0.00414	0.000509	0.0000619	0.0000325	0.00000267	0.0000453
TOTAL SAMPLES ANALYZED		54	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, ³4500-Cl-G.DPD Colorimetric, ²2120B. Visual Comparison (Pt-Co), ⁸2130. Nephelometric, ²2150. Sensory, ²2160. Sensory, ²2540C. Total Dissolved Solids (TDS) dried @ 180°C, ²2940C. EDTA Titrimetric, ⁸4110B. Ion Chromatography, ¹⁰SAMPLE PREPARATION: 3030K. Microwave-Assisted Nitric Acid Digestion ANALYSIS: 3125. Metals by Inductively-Coupled Plasma – Mass Spectrometer (ICP-MS)

CERTIFIED CORRECT BY:


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Page 2 of 2

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