

ADDRESS: 8 North Science Avenue, Laguna Technopark Inc., Brgy. Biñan (Poblacion), Biñan City, Laguna

CONTACT NO.: (049) 543-1916

WEBSITE: [www.lagunawater.com.ph](http://www.lagunawater.com.ph)

CUSTOMER NAME : Laguna AAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

**SUMMARY OF LABORATORY ANALYSIS**

SAMPLE CODE : S20-3119 DATE/TIME SUBMITTED : 05/13/2020 15:25  
 DATE/TIME COLLECTION : 05/13/2020 13:33 COLLECTED BY : Elmer Palmares, Jr.  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : WATER PUMP, BLOCK 57, PHASE I, SOUTHVILLE, BRGY. CAINGIN, SANTA ROSA CITY, LAGUNA  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	8.03/31.4	4500-H <sup>+</sup> . Electrometric	05/13/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.770	4500-Cl-G.DPD Colorimetric	05/13/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/14/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/13/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/13/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<0.115	2130. Nephelometric	05/14/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	147	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	347	2540C. Gravimetric, dried @ 180°C	05/15/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/14/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	10.0		05/14/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.296		05/14/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	7.50		05/14/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005		3500-Fe B. Colorimetric	05/14/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <sup>A</sup> – Method is not part of DENR-ELR Recognized Parameters

LEGEND: **ACU**: Apparent Color Unit; **NTU**: Nephelometric Turbidity Unit; **UO**: Unobjectionable; **NA**: Not Applicable; **MDL**: Method Detection Limit;

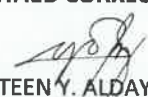
**LOQ**: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

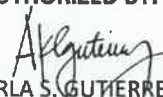
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KRISTEEN Y. ALDAY, RCh  
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AUTHORIZED BY:

  
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ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3063 **DATE/TIME SUBMITTED** : 05/12/2020 14:30  
**DATE/TIME COLLECTION** : 05/12/2020 13:56 **COLLECTED BY** : Edwin O. Aguilar / Elmer Palmares  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : BLOCK 25 LOT 7, PHASE III SOUTHVILLE, BRGY. CAINGIN, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.74/30.9	4500-H <sup>+</sup> . Electrometric	05/12/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.140	4500-Cl-G.DPD Colorimetric	05/12/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/12/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/12/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/12/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.450	2130. Nephelometric	05/13/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	240	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	440	2540C. Gravimetric, dried @ 180°C	05/13/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/13/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	39.6		05/13/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.346		05/13/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	31.3		05/13/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.030	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

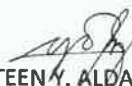
LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3062 **DATE/TIME SUBMITTED** : 05/12/2020 14:30  
**DATE/TIME COLLECTION** : 05/12/2020 13:00 **COLLECTED BY** : Edwin O. Aguilar / Elmer Palmares  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : WATER PUMP, PHASE 5 SOUTHVILLE, BRGY. CAINGIN, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.24/29.7	4500-H <sup>+</sup> . Electrometric	05/12/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.160	4500-Cl-G.DPD Colorimetric	05/12/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/12/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/12/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/12/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.250	2130. Nephelometric	05/13/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	218	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	460	2540C. Gravimetric, dried @ 180°C	05/13/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/13/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	39.6		05/13/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.338		05/13/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	31.2		05/13/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.010	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

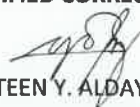
LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

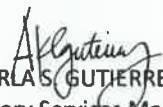
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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3059 **DATE/TIME SUBMITTED** : 05/12/2020 14:30  
**DATE/TIME COLLECTION** : 05/12/2020 13:10 **COLLECTED BY** : Edwin O. Aguilar / Elmer Palmares  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : ENTRANCE GATE, BLOCK 18 LOT 2, ALFONSO HOMES I, BRGY. KANLURAN, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.65/30.2	4500-H <sup>+</sup> . Electrometric	05/12/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.370	4500-Cl-G.DPD Colorimetric	05/12/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/12/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/12/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/12/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.200	2130. Nephelometric	05/13/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	148	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	283	2540C. Gravimetric, dried @ 180°C	05/13/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	5.49	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/13/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	5.47		05/13/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.312		05/13/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	7.66		05/13/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** <sup>A</sup> - Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** <sup>ACU</sup>: Apparent Color Unit; <sup>NTU</sup>: Nephelometric Turbidity Unit; <sup>UO</sup>: Unobjectionable; <sup>NA</sup>: Not Applicable; <sup>MDL</sup>: Method Detection Limit;


<sup>LOQ</sup>: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3057 **DATE/TIME SUBMITTED** : 05/12/2020 14:30  
**DATE/TIME COLLECTION** : 05/12/2020 13:00 **COLLECTED BY** : Edwin O. Aguilar / Elmer Palmares  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : #621 RIZAL BOULEVARD, BRGY. KANLURAN, SANTA ROSA CTIY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.50/27.5	4500-H <sup>+</sup> . Electrometric	05/12/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.130	4500-Cl-G.DPD Colorimetric	05/12/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/12/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/12/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/12/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.200	2130. Nephelometric	05/13/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	151	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	280	2540C. Gravimetric, dried @ 180°C	05/13/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	5.50	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/13/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	5.51		05/13/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.313		05/13/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	7.76		05/13/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3058 **DATE/TIME SUBMITTED** : 05/12/2020 14:30  
**DATE/TIME COLLECTION** : 05/12/2020 12:50 **COLLECTED BY** : Edwin O. Aguilar / Elmer Palmares  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : SANTA ROSA CTIY HALL, J.P RIZAL BOULEVARD, BRGY. MALUSAK, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.50/36.7	4500-H <sup>+</sup> . Electrometric	05/12/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.250	4500-Cl-G.DPD Colorimetric	05/12/2020	EPP
Color	ACU	2	NA	5	2120B. Visual Comparison (Pt-Co)	05/12/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/12/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/12/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.350	2130. Nephelometric	05/13/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	144	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	283	2540C. Gravimetric, dried @ 180°C	05/13/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	5.51	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/13/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	5.50		05/13/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.311		05/13/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	7.73		05/13/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.010	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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WEBSITE: [www.lagunawater.com.ph](http://www.lagunawater.com.ph)

CUSTOMER NAME : Laguna AAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

**SUMMARY OF LABORATORY ANALYSIS**

SAMPLE CODE : S20-3056 DATE/TIME SUBMITTED : 05/12/2020 14:30  
 DATE/TIME COLLECTION : 05/12/2020 11:43 COLLECTED BY : Edwin O. Aguilar / Elmer Palmares  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : WATER PUMP, BRGY. MARKET AREA, SANTA ROSA CITY, LAGUNA  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.89/30.5	4500-H <sup>+</sup> . Electrometric	05/12/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.410	4500-Cl-G.DPD Colorimetric	05/12/2020	EPP
Color	ACU	2	NA	5	2120B. Visual Comparison (Pt-Co)	05/12/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/12/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/12/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<0.115	2130. Nephelometric	05/13/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	153	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	347	2540C. Gravimetric, dried @ 180°C	05/13/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/13/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	11.6		05/13/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.278		05/13/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	10.9		05/13/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.010		3500-Fe B. Colorimetric	05/14/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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AUTHORIZED BY:

*Anna Karla S. Gutierrez*  
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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3055      DATE/TIME SUBMITTED : 05/12/2020 14:30  
DATE/TIME COLLECTION : 05/12/2020 12:19      COLLECTED BY : Edwin O. Aguilar / Elmer Palmares  
NO. OF SAMPLES : 1      TOTAL PARAMETERS TESTED : 15  
SAMPLE LOCATION : BLOCK 8 LOT 16, BAYSHORE III, BRGY. SINALHAN, SANTA ROSA CITY, LAGUNA  
SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.73/30.8	4500-H*. Electrometric	05/12/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.500	4500-Cl-G.DPD Colorimetric	05/12/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/12/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/12/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/12/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<0.115	2130. Nephelometric	05/13/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	156	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	363	2540C. Gravimetric, dried @ 180°C	05/13/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/13/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	11.6		05/13/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.278		05/13/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	11.0		05/13/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.030	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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CUSTOMER NAME : Laguna AAWater Corporation

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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3054 **DATE/TIME SUBMITTED** : 05/12/2020 14:30  
**DATE/TIME COLLECTION** : 05/12/2020 12:29 **COLLECTED BY** : Edwin O. Aguilar / Elmer Palmares  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : AMORANTO COMPOUND, PUROK II, BRGY. SINALHAN, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.84/33.2	4500-H <sup>+</sup> . Electrometric	05/12/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.070	4500-Cl-G.DPD Colorimetric	05/12/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/12/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/12/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/12/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<0.115	2130. Nephelometric	05/13/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	189	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	393	2540C. Gravimetric, dried @ 180°C	05/13/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/13/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	20.4		05/13/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.290		05/13/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	19.8		05/13/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.0100		3500-Fe B. Colorimetric	05/14/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.0100	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** <sup>A</sup> – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** <sup>ACU</sup>: Apparent Color Unit; <sup>NTU</sup>: Nephelometric Turbidity Unit; <sup>UO</sup>: Unobjectionable; <sup>NA</sup>: Not Applicable; <sup>MDL</sup>: Method Detection Limit;

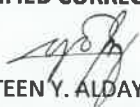
<sup>LOQ</sup>: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

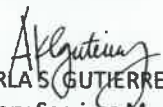
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CUSTOMER NAME : Laguna AAWater Corporation

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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3250 DATE/TIME SUBMITTED : 05/26/2020 14:10  
 DATE/TIME COLLECTION : 05/26/2020 13:02 COLLECTED BY : Ohwen Catindig  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : CLUBHOUSE, METROGATE HERITAGE SUBD., NATIONAL ROAD, BRGY. TAGAPO, SANTA ROSA CITY, LAGUNA  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.94/25.2	4500-H <sup>+</sup> . Electrometric	05/27/2020	KAP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.655	4500-Cl-G.DPD Colorimetric	05/27/2020	KAP
Color	ACU	2	NA	5	2120B. Visual Comparison (Pt-Co)	05/26/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/26/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/26/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.150	2130. Nephelometric	05/27/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	158	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	317	2540C. Gravimetric, dried @ 180°C	05/27/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	0.225	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/27/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	7.02		05/27/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.291		05/27/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	5.92		05/27/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/27/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/27/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <sup>A</sup> - Method is not part of DENR-ELR Recognized Parameters

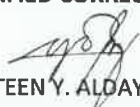
LEGEND: **ACU**: Apparent Color Unit; **NTU**: Nephelometric Turbidity Unit; **UO**: Unobjectionable; **NA**: Not Applicable; **MDL**: Method Detection Limit; **LOQ**: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

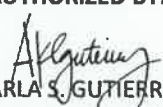
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CUSTOMER NAME : Laguna AAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

**SUMMARY OF LABORATORY ANALYSIS**

**SAMPLE CODE** : S20-3249 **DATE/TIME SUBMITTED** : 05/26/2020 14:10  
**DATE/TIME COLLECTION** : 05/26/2020 12:44 **COLLECTED BY** : Ohwen Catindig  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : WATER PUMP, METROGATE HERITAGE SUBD., NATIONAL ROAD, BRGY. TAGAPO, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	8.00/25.8	4500-H <sup>+</sup> . Electrometric	05/27/2020	KAP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.655	4500-Cl-G.DPD Colorimetric	05/27/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/26/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/26/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/26/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.150	2130. Nephelometric	05/27/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	155	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	327	2540C. Gravimetric, dried @ 180°C	05/27/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	0.235	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/27/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	6.92		05/27/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.293		05/27/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	5.95		05/27/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/27/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	0.0100\	3500-Mn B. Colorimetric	05/27/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** <sup>A</sup> – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** <sup>ACU</sup>: Apparent Color Unit; <sup>NTU</sup>: Nephelometric Turbidity Unit; <sup>UO</sup>: Unobjectionable; <sup>NA</sup>: Not Applicable; <sup>MDL</sup>: Method Detection Limit;


<sup>LOQ</sup>: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

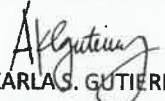
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ATTENTION : N/A

**SUMMARY OF LABORATORY ANALYSIS**

SAMPLE CODE : **S20-3245** DATE/TIME SUBMITTED : 05/26/2020 14:10  
 DATE/TIME COLLECTION : 05/26/2020 10:39 COLLECTED BY : Ohwen Catindig  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : **BLOCK 4 LOT 1, ROSEWOOD HOME II, BRGY. TAGAPO, SANTA ROSA CITY, LAGUNA**  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	<b>7.64/25.7</b>	4500-H <sup>+</sup> . Electrometric	05/27/2020	KAP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	<b>1.02</b>	4500-Cl-G.DPD Colorimetric	05/27/2020	KAP
Color	ACU	2	NA	<b>&lt;2</b>	2120B. Visual Comparison (Pt-Co)	05/26/2020	KAP
Taste <sup>A</sup>	-	NA	NA	<b>UO</b>	2160. Sensory	05/26/2020	KAP
Odor <sup>A</sup>	-	NA	NA	<b>UO</b>	2150. Sensory	05/26/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<b>0.150</b>	2130. Nephelometric	05/27/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	<b>236</b>	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	<b>437</b>	2540C. Gravimetric, dried @ 180°C	05/27/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	<b>&lt;0.0574</b>	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/27/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	<b>28.9</b>		05/27/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	<b>0.303</b>		05/27/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	<b>25.0</b>		05/27/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<b>&lt;0.005</b>		3500-Fe B. Colorimetric	05/27/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<b>&lt;0.010</b>	3500-Mn B. Colorimetric	05/27/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

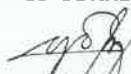
LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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AUTHORIZED BY:

  
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ADDRESS: 8 North Science Avenue, Laguna Technopark Inc., Brgy. Biñan (Poblacion), Biñan City, Laguna

CONTACT NO.: (049) 543-1916

WEBSITE: [www.lagunawater.com.ph](http://www.lagunawater.com.ph)

CUSTOMER NAME : Laguna AAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3244 DATE/TIME SUBMITTED : 05/26/2020 14:10  
DATE/TIME COLLECTION : 05/26/2020 10:16 COLLECTED BY : Ohwen Catindig  
NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
SAMPLE LOCATION : BLOCK 3 LOT 31, ROSEWOOD HOME 1, BRGY. TAGAPO, SANTA ROSA CITY, LAGUNA  
SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.25/25.3	4500-H <sup>+</sup> . Electrometric	05/27/2020	KAP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.970	4500-Cl-G.DPD Colorimetric	05/27/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/26/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/26/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/26/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<0.115	2130. Nephelometric	05/27/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	236	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	453	2540C. Gravimetric, dried @ 180°C	05/27/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/27/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	28.9		05/27/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.207		05/27/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	24.9		05/27/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005		3500-Fe B. Colorimetric	05/27/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/27/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3243 DATE/TIME SUBMITTED : 05/26/2020 14:10  
DATE/TIME COLLECTION : 05/26/2020 10:06 COLLECTED BY : Ohwen Catindig  
NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
SAMPLE LOCATION : WATER PUMP, ROSEWOOD 1 SUBDIVISION, BRGY. TAGAPO, SANTA ROSA CITY, LAGUNA  
SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.26/25.1	4500-H <sup>+</sup> . Electrometric	05/27/2020	KAP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.140	4500-Cl-G.DPD Colorimetric	05/27/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/26/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/26/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/26/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.600	2130. Nephelometric	05/27/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	143	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	303	2540C. Gravimetric, dried @ 180°C	05/27/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	4.82	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/27/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	3.89		05/27/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.279		05/27/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	7.16		05/27/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.020	3500-Fe B. Colorimetric	05/27/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	0.020	3500-Mn B. Colorimetric	05/27/2020	KYA

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**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

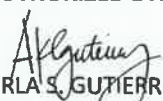
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ATTENTION : N/A

**SUMMARY OF LABORATORY ANALYSIS**

SAMPLE CODE : S20-3212 DATE/TIME SUBMITTED : 05/16/2020 15:57  
 DATE/TIME COLLECTION : 05/19/2020 12:42 COLLECTED BY : Edwin O. Aguilar  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : TACOS, ROBINSONS MALL SANTA ROSA, BRGY. TAGAPO, SANTA ROSA CITY, LAGUNA  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.16/29.1	4500-H <sup>+</sup> . Electrometric	05/19/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.150	4500-Cl-G.DPD Colorimetric	05/19/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/20/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/19/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/19/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.150	2130. Nephelometric	05/20/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	193	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	350	2540C. Gravimetric, dried @ 180°C	05/20/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/20/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	11.9		05/20/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.292		05/20/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	14.6		05/20/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.010	3500-Fe B. Colorimetric	05/27/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/27/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

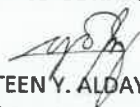
**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit; LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

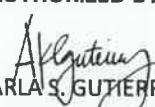
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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3211 **DATE/TIME SUBMITTED** : 05/16/2020 15:57  
**DATE/TIME COLLECTION** : 05/19/2020 12:30 **COLLECTED BY** : Edwin O. Aguilar  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : CISTERN TANK, ROBINSON'S MALL SANTA ROSA, BRGY. TAGAPO, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	<b>7.21/29.3</b>	4500-H <sup>+</sup> . Electrometric	05/19/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	<b>0.180</b>	4500-Cl-G.DPD Colorimetric	05/19/2020	EOA
Color	ACU	2	NA	<b>&lt;2</b>	2120B. Visual Comparison (Pt-Co)	05/20/2020	KAP
Taste <sup>A</sup>	-	NA	NA	<b>UO</b>	2160. Sensory	05/19/2020	KAP
Odor <sup>A</sup>	-	NA	NA	<b>UO</b>	2150. Sensory	05/19/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<b>0.150</b>	2130. Nephelometric	05/20/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	<b>231</b>	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	<b>440</b>	2540C. Gravimetric, dried @ 180°C	05/20/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	<b>&lt;0.0574</b>	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/20/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	<b>27.0</b>		05/20/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	<b>0.304</b>		05/20/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	<b>23.8</b>		05/20/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<b>0.010</b>	3500-Fe B. Colorimetric	05/27/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<b>0.020</b>	3500-Mn B. Colorimetric	05/27/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

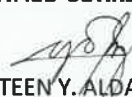
LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

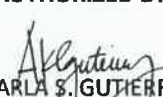
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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3210 **DATE/TIME SUBMITTED** : 05/16/2020 15:57  
**DATE/TIME COLLECTION** : 05/19/2020 13:20 **COLLECTED BY** : Edwin O. Aguilar  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : ADMIN PANTRY, SM SANTA ROSA, BRGY. TAGAPO, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.21/28.7	4500-H <sup>+</sup> . Electrometric	05/19/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.270	4500-Cl-G.DPD Colorimetric	05/19/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/20/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/19/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/19/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.150	2130. Nephelometric	05/20/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	231	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	463	2540C. Gravimetric, dried @ 180°C	05/20/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/20/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	28.8		05/20/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.302		05/20/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	23.8		05/20/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.010	3500-Fe B. Colorimetric	05/27/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/27/2020	KYA

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**DEVIATIONS:** No deviations noted on sample collection and submission.

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**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

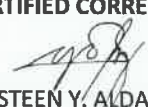
LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3209 DATE/TIME SUBMITTED : 05/16/2020 15:57  
DATE/TIME COLLECTION : 05/19/2020 13:07 COLLECTED BY : Edwin O. Aguilar  
NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
SAMPLE LOCATION : CISTERN TANK, SM SANTA ROSA, BRGY. TAGAPO, SANTA ROSA CITY, LAGUNA  
SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.18/29.1	4500-H <sup>+</sup> . Electrometric	05/19/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.300	4500-Cl-G.DPD Colorimetric	05/19/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/20/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/19/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/19/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.150	2130. Nephelometric	05/20/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	230	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	430	2540C. Gravimetric, dried @ 180°C	05/20/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/20/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	28.3		05/20/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.301		05/20/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	23.5		05/20/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/27/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.0100	3500-Mn B. Colorimetric	05/27/2020	KYA

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**DEVIATIONS:** No deviations noted on sample collection and submission.

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**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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CUSTOMER NAME : Laguna AAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3208 **DATE/TIME SUBMITTED** : 05/16/2020 15:57  
**DATE/TIME COLLECTION** : 05/19/2020 12:11 **COLLECTED BY** : Edwin O. Aguilar  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : BLOCK 1 LOT 64, BUENA ROSA X SUBD., BRGY. TAGAPO, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	<b>7.16/29.7</b>	4500-H <sup>+</sup> . Electrometric	05/19/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	<b>0.500</b>	4500-Cl-G.DPD Colorimetric	05/19/2020	EOA
Color	ACU	2	NA	<b>&lt;2</b>	2120B. Visual Comparison (Pt-Co)	05/20/2020	KAP
Taste <sup>A</sup>	-	NA	NA	<b>UO</b>	2160. Sensory	05/19/2020	KAP
Odor <sup>A</sup>	-	NA	NA	<b>UO</b>	2150. Sensory	05/19/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<b>0.150</b>	2130. Nephelometric	05/20/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	<b>236</b>	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	<b>450</b>	2540C. Gravimetric, dried @ 180°C	05/20/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	<b>&lt;0.0574</b>	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/20/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	<b>28.4</b>		05/20/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	<b>0.305</b>		05/20/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	<b>23.6</b>		05/20/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<b>0.180</b>	3500-Fe B. Colorimetric	05/27/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<b>0.0100</b>	3500-Mn B. Colorimetric	05/27/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

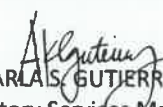
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CUSTOMER NAME : Laguna AAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

**SUMMARY OF LABORATORY ANALYSIS**

SAMPLE CODE : **S20-3207** DATE/TIME SUBMITTED : 05/16/2020 15:57  
 DATE/TIME COLLECTION : 05/19/2020 11:59 COLLECTED BY : Edwin O. Aguilar  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : **BLOCK 1 LOT 18, FAIRFIELD OF MARGANA SUBD., BRGY. TAGAPO, SANTA ROSA CITY, LAGUNA**  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	<b>7.14/29.0</b>	4500-H <sup>+</sup> . Electrometric	05/19/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	<b>0.470</b>	4500-Cl-G.DPD Colorimetric	05/19/2020	EOA
Color	ACU	2	NA	<b>&lt;2</b>	2120B. Visual Comparison (Pt-Co)	05/20/2020	KAP
Taste <sup>A</sup>	-	NA	NA	<b>UO</b>	2160. Sensory	05/19/2020	KAP
Odor <sup>A</sup>	-	NA	NA	<b>UO</b>	2150. Sensory	05/19/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<b>&lt;0.115</b>	2130. Nephelometric	05/20/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	<b>235</b>	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	<b>440</b>	2540C. Gravimetric, dried @ 180°C	05/20/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	<b>&lt;0.0574</b>	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/20/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	<b>27.7</b>		05/20/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	<b>0.302</b>		05/20/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	<b>23.0</b>		05/20/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<b>&lt;0.005</b>	3500-Fe B. Colorimetric	05/27/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<b>&lt;0.010</b>	3500-Mn B. Colorimetric	05/27/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

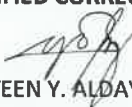
LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

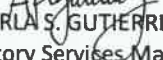
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**SUMMARY OF LABORATORY ANALYSIS**

SAMPLE CODE : S20-3206 DATE/TIME SUBMITTED : 05/16/2020 15:57  
 DATE/TIME COLLECTION : 05/19/2020 11:31 COLLECTED BY : Edwin O. Aguilar  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : CLUBHOUSE, BUENA ROSA I SUBD., BRGY. TAGAPO, SANTA ROSA CITY, LAGUNA  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.16/28.1	4500-H*. Electrometric	05/19/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.520	4500-Cl-G.DPD Colorimetric	05/19/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/20/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/19/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/19/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<0.115	2130. Nephelometric	05/20/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	195	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	390	2540C. Gravimetric, dried @ 180°C	05/20/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/20/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	11.8		05/20/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.301		05/20/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	14.4		05/20/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005		3500-Fe B. Colorimetric	05/27/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/27/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A – Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3205 **DATE/TIME SUBMITTED** : 05/16/2020 15:57  
**DATE/TIME COLLECTION** : 05/19/2020 11:48 **COLLECTED BY** : Edwin O. Aguilar  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : #60 31 JP RIZAL BOULEVARD, BRGY. TAGAPO, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.21/29.3	4500-H <sup>+</sup> . Electrometric	05/19/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.600	4500-Cl-G.DPD Colorimetric	05/19/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/20/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/19/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/19/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.150	2130. Nephelometric	05/20/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	196	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	387	2540C. Gravimetric, dried @ 180°C	05/20/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/20/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	11.8		05/20/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.294		05/20/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	14.5		05/20/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.010	3500-Fe B. Colorimetric	05/27/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/27/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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**SUMMARY OF LABORATORY ANALYSIS**

SAMPLE CODE : S20-3248 DATE/TIME SUBMITTED : 05/26/2020 14:10  
 DATE/TIME COLLECTION : 05/26/2020 09:45 COLLECTED BY : Ohwen Catindig  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : BLOCK 5 LOT 25, JB VILLAGE, STA. ROSA-TAGAYTAY ROAD, BRGY. BALIBAGO, SANTA ROSA CITY, LAGUNA  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.72/24.4	4500-H*. Electrometric	05/27/2020	KAP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.890	4500-Cl-G.DPD Colorimetric	05/27/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/26/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/26/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/26/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.150	2130. Nephelometric	05/27/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	237	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	450	2540C. Gravimetric, dried @ 180°C	05/27/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/27/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	28.9		05/27/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.305		05/27/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	25.0		05/27/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/27/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/27/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

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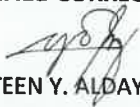
LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3204 DATE/TIME SUBMITTED : 05/16/2020 15:57  
DATE/TIME COLLECTION : 05/19/2020 11:10 COLLECTED BY : Edwin O. Aguilar  
NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
SAMPLE LOCATION : #1354 FACUNDO COMPOUND, BRGY. BALIBAGO, SANTA ROSA CITY, LAGUNA  
SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.25/28.5	4500-H <sup>+</sup> . Electrometric	05/19/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.650	4500-Cl-G.DPD Colorimetric	05/19/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/20/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/19/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/19/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.150	2130. Nephelometric	05/20/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	193	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	397	2540C. Gravimetric, dried @ 180°C	05/20/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/20/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	12.0		05/20/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.294		05/20/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	14.5		05/20/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.010		3500-Fe B. Colorimetric	05/27/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/27/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3066 **DATE/TIME SUBMITTED** : 05/13/2020 14:50  
**DATE/TIME COLLECTION** : 05/13/2020 10:22 **COLLECTED BY** : Edwin Aguilar/ Ohwen Catindig  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : CLUBHOUSE, SOUTH HAMPTON RESIDENCES, BRGY. BALIBAGO, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	6.99/29.6	4500-H <sup>+</sup> . Electrometric	05/13/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.290	4500-Cl-G.DPD Colorimetric	05/13/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/13/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/13/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/13/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<0.115	2130. Nephelometric	05/14/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	199	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	380	2540C. Gravimetric, dried @ 180°C	05/15/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	0.929	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/14/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	11.1		05/14/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.298		05/14/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	17.5		05/14/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005		3500-Fe B. Colorimetric	05/14/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

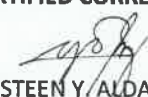
LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

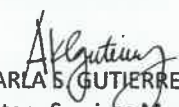
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ATTENTION : N/A

**SUMMARY OF LABORATORY ANALYSIS**

SAMPLE CODE : S20-3170 DATE/TIME SUBMITTED : 05/28/2020 16:46  
 DATE/TIME COLLECTION : 05/18/2020 15:28 COLLECTED BY : Elmer Palmares, Jr.  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : BLOCK 34 LOT 9, PHASE IIE, MABUHAY HOMES 2000, BRGY. DILA, SANTA ROSA CITY, LAGUNA  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.93/29.3	4500-H <sup>+</sup> . Electrometric	05/18/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.070	4500-Cl-G.DPD Colorimetric	05/18/2020	EPP
Color	ACU	2	NA	10	2120B. Visual Comparison (Pt-Co)	05/19/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/18/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/18/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.800	2130. Nephelometric	05/19/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	301	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	527	2540C. Gravimetric, dried @ 180°C	05/19/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	04/19/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	27.0		04/19/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.255		05/19/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	45.0		05/19/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.0300		3500-Fe B. Colorimetric	05/19/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	0.540	3500-Mn B. Colorimetric	05/19/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A – Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3169 **DATE/TIME SUBMITTED** : 05/28/2020 16:46  
**DATE/TIME COLLECTION** : 05/18/2020 15:15 **COLLECTED BY** : Elmer Palmares, Jr.  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : WATER PUMP, BLOCK 12, PHASE IIE, MABUHAY HOMES 2000, BRGY. DILA, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.75/28.6	4500-H*. Electrometric	05/18/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.180	4500-Cl-G.DPD Colorimetric	05/18/2020	EPP
Color	ACU	2	NA	20	2120B. Visual Comparison (Pt-Co)	05/19/2020	KAP
Taste <sup>A</sup>	-	NA	NA	O	2160. Sensory	05/18/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/18/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.300	2130. Nephelometric	05/19/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	300	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	483	2540C. Gravimetric, dried @ 180°C	05/19/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	04/19/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	26.6		04/19/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.254		05/19/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	44.6		05/19/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.040		3500-Fe B. Colorimetric	05/19/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	0.560	3500-Mn B. Colorimetric	05/19/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters


**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; O: Objectionable; NA: Not Applicable; MDL: Method Detection Limit; LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3168 DATE/TIME SUBMITTED : 05/28/2020 16:46  
DATE/TIME COLLECTION : 05/18/2020 14:52 COLLECTED BY : Elmer Palmares, Jr.  
NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
SAMPLE LOCATION : BLOCK 2 LOT 10, PHASE III, MABUHAY HOMES 2000, BRGY. DILA, SANTA ROSA CITY, LAGUNA  
SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.56/29.3	4500-H <sup>+</sup> . Electrometric	05/18/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.150	4500-Cl-G.DPD Colorimetric	05/18/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/19/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/18/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/18/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.150	2130. Nephelometric	05/19/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	296	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	493	2540C. Gravimetric, dried @ 180°C	05/19/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	04/19/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	35.8		04/19/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.264		05/19/2020	KAP
Sulfate (SO <sub>4</sub> ) <sup>A</sup>	mg/L	0.0567	0.181	32.9		05/19/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.010		3500-Fe B. Colorimetric	05/19/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	0.010	3500-Mn B. Colorimetric	05/19/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters


**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit; LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

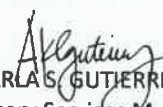
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### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3167 **DATE/TIME SUBMITTED** : 05/28/2020 16:46  
**DATE/TIME COLLECTION** : 05/18/2020 14:41 **COLLECTED BY** : Elmer Palmares, Jr.  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : WATER PUMP, PHASE III, MABUHAY HOMES 2000, BRGY. DILA, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.57/28.1	4500-H <sup>+</sup> . Electrometric	05/18/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.200	4500-Cl-G.DPD Colorimetric	05/18/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/19/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/18/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/18/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<0.115	2130. Nephelometric	05/19/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	298	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	510	2540C. Gravimetric, dried @ 180°C	05/19/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	04/19/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	36.2		04/19/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.263		05/19/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	33.1		05/19/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.010		3500-Fe B. Colorimetric	05/19/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/19/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** <sup>A</sup> – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** <sup>ACU</sup>: Apparent Color Unit; <sup>NTU</sup>: Nephelometric Turbidity Unit; <sup>UO</sup>: Unobjectionable; <sup>NA</sup>: Not Applicable; <sup>MDL</sup>: Method Detection Limit;


<sup>LOQ</sup>: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-2987 **DATE/TIME SUBMITTED** : 05/11/2020 12:30  
**DATE/TIME COLLECTION** : 05/11/2020 12:15 **COLLECTED BY** : Edwin O. Aguilar / Elmer Palmares  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : CLUBHOUSE, VILLA ESMERALDA, BRGY. DILA, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.42/30.1	4500-H <sup>+</sup> . Electrometric	05/11/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.560	4500-Cl-G.DPD Colorimetric	05/11/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/11/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/11/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/11/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.180	2130. Nephelometric	05/12/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	153	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	283	2540C. Gravimetric, dried @ 180°C	05/13/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	5.58	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/12/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	5.44		05/12/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.318		05/12/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	8.20		05/12/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.010	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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CUSTOMER NAME : Laguna AAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3251 **DATE/TIME SUBMITTED** : 05/26/2020 14:10  
**DATE/TIME COLLECTION** : 05/26/2020 13:40 **COLLECTED BY** : Ohwen Catindig  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : R&B ICE PLANT, INC. BRGY. DITA, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.90/24.8	4500-H <sup>+</sup> . Electrometric	05/27/2020	KAP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.985	4500-Cl-G.DPD Colorimetric	05/27/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/26/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/26/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/26/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.200	2130. Nephelometric	05/27/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	232	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	430	2540C. Gravimetric, dried @ 180°C	05/27/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/27/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	28.9		05/27/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.303		05/27/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	25.0		05/27/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.020	3500-Fe B. Colorimetric	05/27/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	0.020	3500-Mn B. Colorimetric	05/27/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-3175** DATE/TIME SUBMITTED : 05/28/2020 16:46  
 DATE/TIME COLLECTION : 05/18/2020 14:21 COLLECTED BY : Elmer Palmares, Jr.  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : #1780, NATIONAL ROAD, BRGY. DITA, SANTA ROSA CITY, LAGUNA  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	<b>7.63/26.9</b>	4500-H <sup>+</sup> . Electrometric	05/18/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	<b>0.450</b>	4500-Cl-G.DPD Colorimetric	05/18/2020	EPP
Color	ACU	2	NA	<b>&lt;2</b>	2120B. Visual Comparison (Pt-Co)	05/19/2020	KAP
Taste <sup>A</sup>	-	NA	NA	<b>UO</b>	2160. Sensory	05/18/2020	KAP
Odor <sup>A</sup>	-	NA	NA	<b>UO</b>	2150. Sensory	05/18/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<b>&lt;0.115</b>	2130. Nephelometric	05/19/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	<b>144</b>	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	<b>237</b>	2540C. Gravimetric, dried @ 180°C	05/19/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<b>6.60</b>	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	04/19/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	<b>4.08</b>		04/19/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	<b>0.286</b>		05/19/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	<b>9.64</b>		05/19/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<b>&lt;0.005</b>	3500-Fe B. Colorimetric	05/19/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<b>&lt;0.010</b>	3500-Mn B. Colorimetric	05/19/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

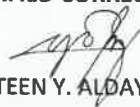
LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

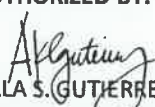
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### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3174 DATE/TIME SUBMITTED : 05/28/2020 16:46  
DATE/TIME COLLECTION : 05/18/2020 12:43 COLLECTED BY : Elmer Palmares, Jr.  
NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
SAMPLE LOCATION : BLOCK 3 LOT 7, SOLCAR VILLE SUBD., BRGY. DITA, SANTA ROSA CITY, LAGUNA  
SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.88/30.5	4500-H <sup>+</sup> . Electrometric	05/18/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.400	4500-Cl-G.DPD Colorimetric	05/18/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/19/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/18/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/18/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<0.115	2130. Nephelometric	05/19/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	185	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	350	2540C. Gravimetric, dried @ 180°C	05/19/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	04/19/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	9.94		04/19/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.278		05/19/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	10.6		05/19/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.005		3500-Fe B. Colorimetric	05/19/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/19/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3173 **DATE/TIME SUBMITTED** : 05/28/2020 16:46  
**DATE/TIME COLLECTION** : 05/18/2020 12:30 **COLLECTED BY** : Elmer Palmares, Jr.  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : WATER TANK, SOLCAR VILLE SUBD., BRGY. DITA, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.75/29.2	4500-H <sup>+</sup> . Electrometric	05/18/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.410	4500-Cl-G.DPD Colorimetric	05/18/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/19/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/18/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/18/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<0.115	2130. Nephelometric	05/19/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	185	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	353	2540C. Gravimetric, dried @ 180°C	05/19/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	04/19/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	9.84		04/19/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.279		05/19/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	10.6		05/19/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005		3500-Fe B. Colorimetric	05/19/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/19/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3172 **DATE/TIME SUBMITTED** : 05/28/2020 16:46  
**DATE/TIME COLLECTION** : 05/18/2020 14:00 **COLLECTED BY** : Elmer Palmares, Jr.  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : BLOCK 19 LOT 11, NEW SANTA ROSA HOMES, BRGY. DITA, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	8.21/29.7	4500-H <sup>+</sup> . Electrometric	05/18/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.460	4500-Cl-G.DPD Colorimetric	05/18/2020	EPP
Color	ACU	2	NA	5	2120B. Visual Comparison (Pt-Co)	05/19/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/18/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/18/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.250	2130. Nephelometric	05/19/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	168	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	310	2540C. Gravimetric, dried @ 180°C	05/19/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	0.276	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	04/19/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	6.73		04/19/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.261		05/19/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	5.01		05/19/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.090	3500-Fe B. Colorimetric	05/19/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	0.030	3500-Mn B. Colorimetric	05/19/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

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### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3171 **DATE/TIME SUBMITTED** : 05/28/2020 16:46  
**DATE/TIME COLLECTION** : 05/18/2020 13:44 **COLLECTED BY** : Elmer Palmares, Jr.  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : WATER PUMP, BLOCK 24 LOT 2, NEW SANTA ROSA HOMES, BRGY. DITA, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-°C	NA	NA	<b>8.16/29.8</b>	4500-H <sup>+</sup> . Electrometric	05/18/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	<b>0.500</b>	4500-Cl-G.DPD Colorimetric	05/18/2020	EPP
Color	ACU	2	NA	<b>10</b>	2120B. Visual Comparison (Pt-Co)	05/19/2020	KAP
Taste <sup>A</sup>	-	NA	NA	<b>UO</b>	2160. Sensory	05/18/2020	KAP
Odor <sup>A</sup>	-	NA	NA	<b>UO</b>	2150. Sensory	05/18/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<b>0.300</b>	2130. Nephelometric	05/19/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	<b>176</b>	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	<b>327</b>	2540C. Gravimetric, dried @ 180°C	05/19/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	<b>0.225</b>	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	04/19/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	<b>6.72</b>		04/19/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	<b>0.260</b>		05/19/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	<b>5.05</b>		05/19/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<b>0.110</b>	3500-Fe B. Colorimetric	05/19/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<b>0.050</b>	3500-Mn B. Colorimetric	05/19/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** <sup>A</sup> - Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** **ACU:** Apparent Color Unit; **NTU:** Nephelometric Turbidity Unit; **UO:** Unobjectionable; **NA:** Not Applicable; **MDL:** Method Detection Limit;


**LOQ:** Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

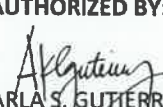
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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3068 **DATE/TIME SUBMITTED** : 05/13/2020 14:50  
**DATE/TIME COLLECTION** : 05/13/2020 10:54 **COLLECTED BY** : Edwin Aguilar/ Ohwen Catindig  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : BLOCK 11 LOT 52, SAN LORENZO ROYALE, BRGY. DITA, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	<b>7.18/29.7</b>	4500-H <sup>+</sup> . Electrometric	05/13/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	<b>0.200</b>	4500-Cl-G.DPD Colorimetric	05/13/2020	EOA
Color	ACU	2	NA	<b>&lt;2</b>	2120B. Visual Comparison (Pt-Co)	05/13/2020	KAP
Taste <sup>A</sup>	-	NA	NA	<b>UO</b>	2160. Sensory	05/13/2020	KAP
Odor <sup>A</sup>	-	NA	NA	<b>UO</b>	2150. Sensory	05/13/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<b>0.150</b>	2130. Nephelometric	05/14/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	<b>155</b>	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	<b>297</b>	2540C. Gravimetric, dried @ 180°C	05/15/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	<b>3.80</b>	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/14/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	<b>6.04</b>		05/14/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	<b>0.322</b>		05/14/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	<b>7.62</b>		05/14/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<b>&lt;0.005</b>	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<b>0.010</b>	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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CUSTOMER NAME : Laguna AAWater Corporation

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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3067 **DATE/TIME SUBMITTED** : 05/13/2020 14:50  
**DATE/TIME COLLECTION** : 05/13/2020 10:42 **COLLECTED BY** : Edwin Aguilar/ Ohwen Catindig  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : WATER PUMP, BLOCK 4 LOT 32, SAN LORENZO ROYALE, BRGY. DITA, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.11/30.1	4500-H <sup>+</sup> . Electrometric	05/13/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.240	4500-Cl-G.DPD Colorimetric	05/13/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/13/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/13/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/13/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.200	2130. Nephelometric	05/14/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	158	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	303	2540C. Gravimetric, dried @ 180°C	05/15/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	4.26	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/14/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	5.68		05/14/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.324		05/14/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	7.77		05/14/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005		3500-Fe B. Colorimetric	05/14/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** <sup>A</sup> – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** **ACU:** Apparent Color Unit; **NTU:** Nephelometric Turbidity Unit; **UO:** Unobjectionable; **NA:** Not Applicable; **MDL:** Method Detection Limit;


**LOQ:** Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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CUSTOMER NAME : Laguna AAWater Corporation

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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3345 **DATE/TIME SUBMITTED** : 05/28/2020 10:00  
**DATE/TIME COLLECTION** : 05/28/2020 09:15 **COLLECTED BY** : Ohwen Catindig  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : CHURCH, BLOCK 108, PHASE V, LAGUNA BEL-AIR, BRGY. DON JOSE, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	8.25/21.0	4500-H <sup>+</sup> . Electrometric	05/28/2020	KAP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.0800	4500-Cl-G.DPD Colorimetric	05/28/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/28/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/28/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/28/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.200	2130. Nephelometric	05/28/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	134	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	287	2540C. Gravimetric, dried @ 180°C	05/28/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	4.84	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/28/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	3.89		05/28/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.279		05/28/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	6.17		05/28/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005		3500-Fe B. Colorimetric	05/28/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/28/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

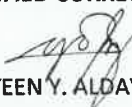
LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

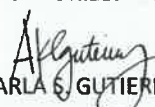
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**SUMMARY OF LABORATORY ANALYSIS**

SAMPLE CODE : S20-3344 DATE/TIME SUBMITTED : 05/28/2020 10:00  
 DATE/TIME COLLECTION : 05/28/2020 08:01 COLLECTED BY : Ohwen Catindig  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : BLOCK 47 LOT 12, PHASE IV, LAGUNA BEL-AIR, BRGY. DON JOSE, SANTA ROSA CITY, LAGUNA  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	8.22/21.2	4500-H <sup>+</sup> . Electrometric	05/28/2020	KAP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.090	4500-Cl-G.DPD Colorimetric	05/28/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/28/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/28/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/28/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.200	2130. Nephelometric	05/28/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	134	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	267	2540C. Gravimetric, dried @ 180°C	05/28/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	4.84	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/28/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	3.87		05/28/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.277		05/28/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	6.18		05/28/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005		3500-Fe B. Colorimetric	05/28/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/28/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <sup>A</sup> – Method is not part of DENR-ELR Recognized Parameters

LEGEND: <sup>ACU</sup>: Apparent Color Unit; <sup>NTU</sup>: Nephelometric Turbidity Unit; <sup>UO</sup>: Unobjectionable; <sup>NA</sup>: Not Applicable; <sup>MDL</sup>: Method Detection Limit;


<sup>LOQ</sup>: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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**SUMMARY OF LABORATORY ANALYSIS**

SAMPLE CODE : S20-3301 DATE/TIME SUBMITTED : 05/27/2020 14:32  
 DATE/TIME COLLECTION : 05/27/2020 14:06 COLLECTED BY : Elmer Palmares, Jr.  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : SCIENCE HIGH SCHOOL, PHASE 1, LAGUNA BEL-AIR, BRGY. DON JOSE, SANTA ROSA CITY, LAGUNA  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.87/27.9	4500-H <sup>+</sup> . Electrometric	05/27/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.160	4500-Cl-G.DPD Colorimetric	05/27/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/28/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/27/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/27/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.200	2130. Nephelometric	05/28/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	134	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	280	2540C. Gravimetric, dried @ 180°C	05/28/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	4.77	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/28/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	3.91		05/28/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.277		05/28/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	6.20		05/28/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/28/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/28/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <sup>A</sup> – Method is not part of DENR-ELR Recognized Parameters

LEGEND: <sup>A</sup>ACU: Apparent Color Unit; <sup>A</sup>NTU: Nephelometric Turbidity Unit; <sup>A</sup>UO: Unobjectionable; <sup>A</sup>NA: Not Applicable; <sup>A</sup>MDL: Method Detection Limit;

<sup>A</sup>LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME : Laguna AAWater Corporation

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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3299 DATE/TIME SUBMITTED : 05/27/2020 14:32  
DATE/TIME COLLECTION : 05/27/2020 12:02 COLLECTED BY : Elmer Palmares, Jr.  
NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
SAMPLE LOCATION : CLUBHOUSE, SANTA ROSA ESTATES I, BRGY. DON JOSE, SANTA ROSA CITY, LAGUNA  
SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.87/29.3	4500-H <sup>+</sup> . Electrometric	05/27/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.360	4500-Cl-G.DPD Colorimetric	05/27/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/28/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/27/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/27/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.150	2130. Nephelometric	05/28/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	143	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	290	2540C. Gravimetric, dried @ 180°C	05/28/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	6.71	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/28/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	3.88		05/28/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.277		05/28/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	7.47		05/28/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/28/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/28/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** <sup>A</sup> – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** **ACU:** Apparent Color Unit; **NTU:** Nephelometric Turbidity Unit; **UO:** Unobjectionable; **NA:** Not Applicable; **MDL:** Method Detection Limit;

**LOQ:** Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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CUSTOMER NAME : Laguna AAWater Corporation

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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3298 **DATE/TIME SUBMITTED** : 05/27/2020 14:32  
**DATE/TIME COLLECTION** : 05/27/2020 11:54 **COLLECTED BY** : Elmer Palmares, Jr.  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : PUMP 9 AND 10, SANTA ROSA ESTATE 1, BRGY. DON JOSE, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.96/27.7	4500-H <sup>+</sup> . Electrometric	05/27/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.280	4500-Cl-G.DPD Colorimetric	05/27/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/28/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/27/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/27/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.150	2130. Nephelometric	05/28/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	142	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	303	2540C. Gravimetric, dried @ 180°C	05/28/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	6.42	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/28/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	3.84		05/28/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.277		05/28/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	7.17		05/28/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005		3500-Fe B. Colorimetric	05/28/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/28/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

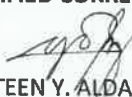
LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

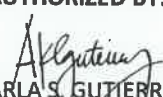
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**SUMMARY OF LABORATORY ANALYSIS**

SAMPLE CODE : S20-3297 DATE/TIME SUBMITTED : 05/27/2020 14:32  
 DATE/TIME COLLECTION : 05/27/2020 11:39 COLLECTED BY : Elmer Palmares, Jr.  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : CLUBHOUSE, SANTA ROSA VILLAGE II, BRGY. DON JOSE, SANTA ROSA CITY, LAGUNA  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.90/30.5	4500-H <sup>+</sup> . Electrometric	05/27/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.270	4500-Cl-G.DPD Colorimetric	05/27/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/28/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/27/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/27/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.250	2130. Nephelometric	05/28/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	140	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	297	2540C. Gravimetric, dried @ 180°C	05/28/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	7.31	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/28/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	3.95		05/28/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.274		05/28/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	7.99		05/28/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005		3500-Fe B. Colorimetric	05/28/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/28/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A – Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3296 **DATE/TIME SUBMITTED** : 05/27/2020 14:32  
**DATE/TIME COLLECTION** : 05/27/2020 11:26 **COLLECTED BY** : Elmer Palmares, Jr.  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : CLUBHOUSE, PHASE IV-B, SANTA ROSA VILLAGE I, BRGY. DON JOSE, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.71/32.4	4500-H <sup>+</sup> . Electrometric	05/27/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.410	4500-Cl-G.DPD Colorimetric	05/27/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/28/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/27/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/27/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.150	2130. Nephelometric	05/28/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	139	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	277	2540C. Gravimetric, dried @ 180°C	05/28/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	5.17	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/28/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	4.57		05/28/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.296		05/28/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	7.52		05/28/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/28/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/28/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3295 **DATE/TIME SUBMITTED** : 05/27/2020 14:32  
**DATE/TIME COLLECTION** : 05/27/2020 11:04 **COLLECTED BY** : Elmer Palmares, Jr.  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : 8001, PUMP I, ACACIA ST., SANTA ROSA VILLAGE I, BRGY. DON JOSE, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-°C	NA	NA	7.90/27.0	4500-H <sup>+</sup> . Electrometric	05/27/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.390	4500-Cl-G.DPD Colorimetric	05/27/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/28/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/27/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/27/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.200	2130. Nephelometric	05/28/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	142	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	280	2540C. Gravimetric, dried @ 180°C	05/28/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	5.36	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/28/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	4.60		05/28/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.297		05/28/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	7.62		05/28/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/28/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/28/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3247 DATE/TIME SUBMITTED : 05/26/2020 14:10  
DATE/TIME COLLECTION : 05/26/2020 11:21 COLLECTED BY : Ohwen Catindig  
NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
SAMPLE LOCATION : BLOCK 4 LOT 26, PHASE II BUENA ROSA IX SUBD., BRGY. MACABLING, SANTA ROSA CITY, LAGUNA  
SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-°C	NA	NA	7.67/25.3	4500-H <sup>+</sup> . Electrometric	05/27/2020	KAP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.925	4500-Cl-G.DPD Colorimetric	05/27/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/26/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/26/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/26/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.150	2130. Nephelometric	05/27/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	238	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	440	2540C. Gravimetric, dried @ 180°C	05/27/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/27/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	29.0		05/27/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.305		05/27/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	25.0		05/27/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/27/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/27/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** <sup>A</sup> - Method is not part of DENR-ELR Recognized Parameters

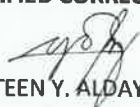
**LEGEND:** **ACU:** Apparent Color Unit; **NTU:** Nephelometric Turbidity Unit; **UO:** Unobjectionable; **NA:** Not Applicable; **MDL:** Method Detection Limit; **LOQ:** Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3246 **DATE/TIME SUBMITTED** : 05/26/2020 14:10  
**DATE/TIME COLLECTION** : 05/26/2020 11:10 **COLLECTED BY** : Ohwen Catindig  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : WATER PUMP, BUENA ROSA IX SUBD., BRGY. MACABLING, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.62/24.2	4500-H <sup>+</sup> . Electrometric	05/27/2020	KAP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.450	4500-Cl-G.DPD Colorimetric	05/27/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/26/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/26/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/26/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.150	2130. Nephelometric	05/27/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	192	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	390	2540C. Gravimetric, dried @ 180°C	05/27/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/27/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	11.8		05/27/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.293		05/27/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	13.9		05/27/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005		3500-Fe B. Colorimetric	05/27/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/27/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** <sup>A</sup> – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** **ACU:** Apparent Color Unit; **NTU:** Nephelometric Turbidity Unit; **UO:** Unobjectionable; **NA:** Not Applicable; **MDL:** Method Detection Limit;

**LOQ:** Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3242 **DATE/TIME SUBMITTED** : 05/26/2020 14:10  
**DATE/TIME COLLECTION** : 05/26/2020 12:16 **COLLECTED BY** : Ohwen Catindig  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : BLOCK 11 LOT 19, CORINTHIAN HOMES SUBD., BRGY. MACABLING, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.10/25.7	4500-H <sup>+</sup> . Electrometric	05/27/2020	KAP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.425	4500-Cl-G.DPD Colorimetric	05/27/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/26/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/26/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/26/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.150	2130. Nephelometric	05/27/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	191	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	380	2540C. Gravimetric, dried @ 180°C	05/27/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/27/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	11.9		05/27/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.295		05/27/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	14.0		05/27/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005		3500-Fe B. Colorimetric	05/27/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/27/2020	KYA

**REMARKS:** Sample collection were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

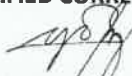
LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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CUSTOMER NAME : Laguna AAWater Corporation

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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-3241** DATE/TIME SUBMITTED : 05/26/2020 14:10  
 DATE/TIME COLLECTION : 05/26/2020 11:58 COLLECTED BY : Ohwen Catindig  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : WATER PUMP, CORINTHIAN HOME SUBDIVISION, MACABLING, SANTA ROSA CITY, LAGUNA  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	<b>6.92/24.8</b>	4500-H <sup>+</sup> . Electrometric	05/27/2020	KAP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	<b>0.445</b>	4500-Cl-G.DPD Colorimetric	05/27/2020	KAP
Color	ACU	2	NA	<b>&lt;2</b>	2120B. Visual Comparison (Pt-Co)	05/26/2020	KAP
Taste <sup>A</sup>	-	NA	NA	<b>UO</b>	2160. Sensory	05/26/2020	KAP
Odor <sup>A</sup>	-	NA	NA	<b>UO</b>	2150. Sensory	05/26/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<b>0.250</b>	2130. Nephelometric	05/27/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	<b>191</b>	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	<b>397</b>	2540C. Gravimetric, dried @ 180°C	05/27/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	<b>&lt;0.0574</b>	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/27/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	<b>11.9</b>		05/27/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	<b>0.296</b>		05/27/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	<b>14.0</b>		05/27/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<b>0.010</b>	3500-Fe B. Colorimetric	05/27/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<b>&lt;0.010</b>	3500-Mn B. Colorimetric	05/27/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** <sup>A</sup> – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** **ACU:** Apparent Color Unit; **NTU:** Nephelometric Turbidity Unit; **UO:** Unobjectionable; **NA:** Not Applicable; **MDL:** Method Detection Limit;

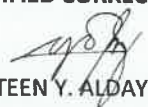
**LOQ:** Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

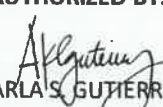
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### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3176      DATE/TIME SUBMITTED : 05/28/2020 16:46  
DATE/TIME COLLECTION : 05/18/2020 12:05      COLLECTED BY : Elmer Palmares, Jr.  
NO. OF SAMPLES : 1      TOTAL PARAMETERS TESTED : 15  
SAMPLE LOCATION : CLUBHOUSE, CASAN RESIDENCIA SUBD., BRGY. MALITLIT, SANTA ROSA CITY, LAGUNA  
SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.65/32.1	4500-H <sup>+</sup> . Electrometric	05/18/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.430	4500-Cl-G.DPD Colorimetric	05/18/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/19/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/18/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/18/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<0.115	2130. Nephelometric	05/19/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	146	2340C. EDTA Titrimetric	05/22/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	283	2540C. Gravimetric, dried @ 180°C	05/19/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	6.86	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	04/19/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	4.28		04/19/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.309		05/19/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	9.34		05/19/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005		3500-Fe B. Colorimetric	05/19/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/19/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3070 DATE/TIME SUBMITTED : 05/13/2020 14:50  
DATE/TIME COLLECTION : 05/13/2020 11:58 COLLECTED BY : Edwin Aguilar/ Ohwen Catindig  
NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
SAMPLE LOCATION : BLOCK 5 LOT 25, PHASE 1 ANNEX, SAN LORENZO SUBD., BRGY. MALITLIT, SANTA ROSA CITY, LAGUNA  
SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.18/31.2	4500-H <sup>+</sup> . Electrometric	05/13/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.550	4500-Cl-G.DPD Colorimetric	05/13/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/13/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/13/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/13/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.200	2130. Nephelometric	05/14/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	152	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	313	2540C. Gravimetric, dried @ 180°C	05/15/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	3.25	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/14/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	6.30		05/14/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.338		05/14/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	7.46		05/14/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <sup>A</sup> – Method is not part of DENR-ELR Recognized Parameters


LEGEND: **ACU**: Apparent Color Unit; **NTU**: Nephelometric Turbidity Unit; **UO**: Unobjectionable; **NA**: Not Applicable; **MDL**: Method Detection Limit; **LOQ**: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-3069 **DATE/TIME SUBMITTED** : 05/13/2020 14:50  
**DATE/TIME COLLECTION** : 05/13/2020 11:40 **COLLECTED BY** : Edwin Aguilar/ Ohwen Catindig  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : WATER PUMP, BLOCK 3 LOT 1, PHASE 1A ANNEX, SAN LORENZO SUBD., BRGY. MALITLIT, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.16/30.7	4500-H <sup>+</sup> . Electrometric	05/13/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.670	4500-Cl-G.DPD Colorimetric	05/13/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/13/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/13/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/13/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.250	2130. Nephelometric	05/14/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	153	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	307	2540C. Gravimetric, dried @ 180°C	05/15/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	4.03	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/14/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	6.13		05/14/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.332		05/14/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	7.69		05/14/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** <sup>A</sup> – Method is not part of DENR-ELR Recognized Parameters

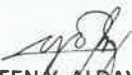
**LEGEND:** **ACU:** Apparent Color Unit; **NTU:** Nephelometric Turbidity Unit; **UO:** Unobjectionable; **NA:** Not Applicable; **MDL:** Method Detection Limit; **LOQ:** Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-2986 DATE/TIME SUBMITTED : 05/11/2020 12:30  
DATE/TIME COLLECTION : 05/11/2020 12:03 COLLECTED BY : Edwin O. Aguilar / Elmer Palmares  
NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
SAMPLE LOCATION : BLOCK 11 LOT 16, TERRA FORTUNA, BRGY. MALITLIT, SANTA ROSA CITY, LAGUNA  
SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.48/29.7	4500-H <sup>+</sup> . Electrometric	05/11/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.380	4500-Cl-G.DPD Colorimetric	05/11/2020	EOA
Color	ACU	2	NA	5	2120B. Visual Comparison (Pt-Co)	05/11/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/11/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/11/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.760	2130. Nephelometric	05/12/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	156	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	310	2540C. Gravimetric, dried @ 180°C	05/13/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	0.504	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/12/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	6.85		05/12/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.340		05/12/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	6.95		05/12/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.0800	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	0.0700	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-2985 **DATE/TIME SUBMITTED** : 05/11/2020 12:30  
**DATE/TIME COLLECTION** : 05/11/2020 11:56 **COLLECTED BY** : Edwin O. Aguilar / Elmer Palmares  
**NO. OF SAMPLES** : 1 **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : WATER PUMP, MAIN ROAD, PHASE 2, TERRA FORTUNA, BRGY. MALITLIT, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.57/30.2	4500-H <sup>+</sup> . Electrometric	05/11/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.330	4500-Cl-G.DPD Colorimetric	05/11/2020	EOA
Color	ACU	2	NA	5	2120B. Visual Comparison (Pt-Co)	05/11/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/11/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/11/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.819	2130. Nephelometric	05/12/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	157	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	320	2540C. Gravimetric, dried @ 180°C	05/13/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	0.516	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/12/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	6.84		05/12/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.341		05/12/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	6.96		05/12/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.090	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	0.080	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

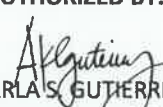
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CUSTOMER NAME : Laguna AAWater Corporation

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ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

**SAMPLE CODE** : S20-2984      **DATE/TIME SUBMITTED** : 05/11/2020 12:30  
**DATE/TIME COLLECTION** : 05/11/2020 11:49      **COLLECTED BY** : Edwin O. Aguilar / Elmer Palmares  
**NO. OF SAMPLES** : 1      **TOTAL PARAMETERS TESTED** : 15  
**SAMPLE LOCATION** : BLOCK 1 LOT 17, VILLA LAS CASAS, BRGY. MALITLIT, SANTA ROSA CITY, LAGUNA  
**SAMPLE CHARACTERISTICS** : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.32/28.8	4500-H <sup>+</sup> . Electrometric	05/11/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.720	4500-Cl-G.DPD Colorimetric	05/11/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/11/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/11/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/11/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.144	2130. Nephelometric	05/12/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	193	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	387	2540C. Gravimetric, dried @ 180°C	05/13/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	0.934	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/12/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	11.5		05/12/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.305		05/12/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	18.8		05/12/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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CUSTOMER NAME : Laguna AAWater Corporation

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### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-2983 DATE/TIME SUBMITTED : 05/11/2020 12:30  
DATE/TIME COLLECTION : 05/11/2020 11:38 COLLECTED BY : Edwin O. Aguilar / Elmer Palmares  
NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
SAMPLE LOCATION : WATER PUMP, 9999 W, VILLA LAS CASAS, BRGY. MALITLIT, SANTA ROSA CITY, LAGUNA  
SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.18/29.2	4500-H <sup>+</sup> . Electrometric	05/11/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.780	4500-Cl-G.DPD Colorimetric	05/11/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/11/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/11/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/11/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.169	2130. Nephelometric	05/12/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	192	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	370	2540C. Gravimetric, dried @ 180°C	05/13/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	0.934	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/12/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	11.5		05/12/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.301		05/12/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	18.7		05/12/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A – Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

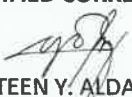
LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3123 DATE/TIME SUBMITTED : 05/13/2020 15:25  
DATE/TIME COLLECTION : 05/13/2020 13:59 COLLECTED BY : Elmer Palmares, Jr.  
NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
SAMPLE LOCATION : BLOCK 2 LOT 16, PHASE 9, BRGY. POOC, SANTA ROSA, LAGUNA  
SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	8.06/32.1	4500-H <sup>+</sup> . Electrometric	05/13/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	1.86	4500-Cl-G.DPD Colorimetric	05/13/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/14/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/13/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/13/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<0.115	2130. Nephelometric	05/14/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	176	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	370	2540C. Gravimetric, dried @ 180°C	05/15/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/14/2020	KAP
Chloride (Cl) <sup>A</sup>	mg/L	0.0372	0.119	14.8		05/14/2020	KAP
Fluoride (F) <sup>A</sup>	mg/L	0.0524	0.167	0.350		05/14/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	6.28		05/14/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

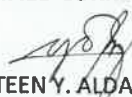
LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

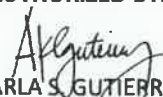
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### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3122 DATE/TIME SUBMITTED : 05/13/2020 15:25  
DATE/TIME COLLECTION : 05/13/2020 13:51 COLLECTED BY : Elmer Palmares, Jr.  
NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
SAMPLE LOCATION : WATER PUMP, PHASE 8 AND 9, SOUTHVILLE, BRGY. POOC, SANTA ROSA CITY, LAGUNA  
SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	8.08/30.6	4500-H <sup>+</sup> . Electrometric	05/13/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	1.77	4500-Cl-G.DPD Colorimetric	05/13/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/14/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/13/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/13/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<0.115	2130. Nephelometric	05/14/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	168	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	373	2540C. Gravimetric, dried @ 180°C	05/15/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/14/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	14.8		05/14/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.350		05/14/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	6.30		05/14/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005		3500-Fe B. Colorimetric	05/14/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

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LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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**SUMMARY OF LABORATORY ANALYSIS**

SAMPLE CODE : S20-3061 DATE/TIME SUBMITTED : 05/12/2020 14:30  
 DATE/TIME COLLECTION : 05/12/2020 13:40 COLLECTED BY : Edwin O. Aguilar / Elmer Palmares  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : BLOCK 2 LOT 1, VILLA MERCEDEZ SUBD., BRGY. POOC, SANTA ROSA CITY, LAGUNA  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.61/32.8	4500-H <sup>+</sup> . Electrometric	05/12/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.310	4500-Cl-G.DPD Colorimetric	05/12/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/12/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/12/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/12/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.450	2130. Nephelometric	05/13/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	206	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	440	2540C. Gravimetric, dried @ 180°C	05/13/2020	KAP
Nitrate (NO <sub>3</sub> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/13/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	33.2		05/13/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.335		05/13/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	26.1		05/13/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.010	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A – Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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**SUMMARY OF LABORATORY ANALYSIS**

SAMPLE CODE : S20-3060 DATE/TIME SUBMITTED : 05/12/2020 14:30  
DATE/TIME COLLECTION : 05/12/2020 13:34 COLLECTED BY : Edwin O. Aguilar / Elmer Palmares  
NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
SAMPLE LOCATION : WATER PUMP, VILLA MERCEDEZ SUBD., BRGY. POOC, SANTA ROSA CITY, LAGUNA  
SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.69/31.4	4500-H*. Electrometric	05/12/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.390	4500-Cl-G.DPD Colorimetric	05/12/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/12/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/12/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/12/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	0.150	2130. Nephelometric	05/13/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	207	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	437	2540C. Gravimetric, dried @ 180°C	05/13/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	<0.0574	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/13/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	2.36		05/13/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	<0.167		05/13/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	1.64		05/13/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	0.010	3500-Fe B. Colorimetric	05/14/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/14/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: **A** – Method is not part of DENR-ELR Recognized Parameters

LEGEND: **ACU**: Apparent Color Unit; **NTU**: Nephelometric Turbidity Unit; **UO**: Unobjectionable; **NA**: Not Applicable; **MDL**: Method Detection Limit;

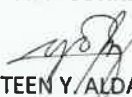
**LOQ**: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME : Laguna AAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

### SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-3065** DATE/TIME SUBMITTED : 05/13/2020 14:50  
 DATE/TIME COLLECTION : 05/13/2020 10:01 COLLECTED BY : Edwin Aguilar/ Ohwen Catindig  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : **BLOCK 6 LOT 8, BUKLOD DIWA, BRGY. PULONG STA. CRUZ, SANTA ROSA CITY, LAGUNA**  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	<b>7.07/29.7</b>	4500-H <sup>+</sup> . Electrometric	05/13/2020	EOA
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	<b>0.470</b>	4500-Cl-G.DPD Colorimetric	05/13/2020	EOA
Color	ACU	2	NA	<b>&lt;2</b>	2120B. Visual Comparison (Pt-Co)	05/13/2020	KAP
Taste <sup>A</sup>	-	NA	NA	<b>UO</b>	2160. Sensory	05/13/2020	KAP
Odor <sup>A</sup>	-	NA	NA	<b>UO</b>	2150. Sensory	05/13/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<b>0.150</b>	2130. Nephelometric	05/14/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	<b>196</b>	2340C. EDTA Titrimetric	05/15/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	<b>367</b>	2540C. Gravimetric, dried @ 180°C	05/15/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	<b>0.880</b>	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/14/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	<b>11.1</b>		05/14/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	<b>0.300</b>		05/14/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	<b>17.5</b>		05/14/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<b>&lt;0.005</b>		3500-Fe B. Colorimetric	05/14/2020
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<b>0.010</b>	3500-Mn B. Colorimetric	05/14/2020	KYA

**REMARKS:** Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

**DEVIATIONS:** No deviations noted on sample collection and submission.

**NOTE:** A – Method is not part of DENR-ELR Recognized Parameters

**LEGEND:** ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

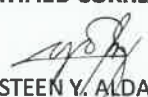
LOQ: Limit of Quantification

**METHOD REFERENCE:** Standard Methods for the Examination of Water and Wastewater, 23rd Edition

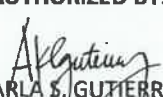
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ATTENTION : N/A

**SUMMARY OF LABORATORY ANALYSIS**

SAMPLE CODE : S20-3300 DATE/TIME SUBMITTED : 05/27/2020 14:32  
 DATE/TIME COLLECTION : 05/27/2020 12:22 COLLECTED BY : Elmer Palmares, Jr.  
 NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15  
 SAMPLE LOCATION : CLUBHOUSE, SANTA ROSA ESTATES II, BRGY. STO. DOMINGO, SANTA ROSA CITY, LAGUNA  
 SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	
						DATE	BY
pH / Temperature	-/°C	NA	NA	7.91/29.4	4500-H <sup>+</sup> . Electrometric	05/27/2020	EPP
Residual Chlorine <sup>A</sup>	mg/L	0.063	0.20	0.610	4500-Cl-G.DPD Colorimetric	05/27/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/28/2020	KAP
Taste <sup>A</sup>	-	NA	NA	UO	2160. Sensory	05/27/2020	KAP
Odor <sup>A</sup>	-	NA	NA	UO	2150. Sensory	05/27/2020	KAP
Turbidity <sup>A</sup>	NTU	0.115	0.365	<0.115	2130. Nephelometric	05/28/2020	KAP
Total Hardness as CaCO <sub>3</sub> <sup>A</sup>	mg/L	0.469	1.49	143	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	293	2540C. Gravimetric, dried @ 180°C	05/28/2020	KAP
Nitrate (NO <sub>3</sub> <sup>-</sup> ) <sup>A</sup>	mg/L	0.0574	0.183	6.55	4110B. Ion Chromatography with Chemical Suppression of Eluent Conductivity	05/28/2020	KAP
Chloride (Cl <sup>-</sup> ) <sup>A</sup>	mg/L	0.0372	0.119	3.86		05/28/2020	KAP
Fluoride (F <sup>-</sup> ) <sup>A</sup>	mg/L	0.0524	0.167	0.276		05/28/2020	KAP
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) <sup>A</sup>	mg/L	0.0567	0.181	7.23		05/28/2020	KAP
Iron (Fe) <sup>A</sup>	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/28/2020	KYA
Manganese (Mn) <sup>A</sup>	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/28/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <sup>A</sup> – Method is not part of DENR-ELR Recognized Parameters

LEGEND: <sup>A</sup>CU: Apparent Color Unit; <sup>A</sup>NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;


LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition


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