

**New / Updated Claros library parameters: Released 2021.3**

No	Parameter name	Units	Claros Release
1	Ammonia Percent Removal: NH <sub>3</sub> % Removal	% - Ratio	2021.2
2	Detention Time: DT	days - Duration	2021.2
3	Hardness, Calcium: Ca as CaCO <sub>3</sub>	mg/L - Density	2021.2
4	Manganese, Total: Mn, Total	µg/L - Density	2021.2
5	Suspended Solids Mass under Aeration: Solids under Aeration	lbs - Mass	2021.2
6	Volatile Suspended Solids Load: VSS Load	lbs/day - MassFlow	2021.2
7	Zinc, Total Recoverable: Zn, Total Recoverable	µg/L - Density	2021.2
8	Acids, Total Volatile: Tot Vol Acids	mg/L - Density	2021.2
9	Air Temperature: Air Temp	°F - Temperature	2021.2
10	Ammonia Load: NH <sub>3</sub> Load	kg/h - MassFlow	2021.2
11	Ammonia: NH <sub>3</sub> (mg/L - Density)	mg/L - Density	2021.2
12	Antimony, Load: Sv, Load	lbs/day - MassFlow	2021.3
13	Antimony, Total	ug/ L as Sb	2021.3
14	Arsenic, Dissolved: As, Dissolved	µg/L - Density	2021.2
15	Arsenic, Load: As, Load	lbs/day - MassFlow	2021.3
16	Arsenic, Total: As, Total	µg/L - Density	2021.2
17	Beryllium, Load: Be, Load	lbs/day - MassFlow	2021.3
18	Beryllium, Total	ug/L as Be	2021.3
19	Bromine: Br	mg/L - Density	2021.2
20	Cadmium, Dissolved: Cd, Dissolved	µg/L - Density	2021.2
21	Cadmium, Load: Cd, Load	lbs/day - MassFlow	2021.3
22	Cadmium, Total: Cd, Total	µg/L - Density	2021.2
23	Cadmium, Total Recoverable: Cd, Total Recoverable	µg/L - Density	2021.2
24	Calcium Chloride: CaCl <sub>2</sub>	% - Density	2021.2
25	Carbonaceous Biochemical Oxygen Demand: CBOD	mg/L - Density	2021.2
26	CBOD Percent Removal: CBOD % Removal	% - Ratio	2021.2
27	Chemical Bulk, Chlorine: Chemical Bulk, Cl	lbs - Mass	2021.2
28	Chemical Bulk, Fluoride: Chemical Bulk, F-	lbs - Mass	2021.2
29	Chemical Oxygen Demand Load: COD Load	lbs/day - MassFlow	2021.2
30	Chloride: Cl-	mg/L - Density	2021.2
31	Chlorine Demand: Cl Demand	mg/L - Density	2021.2
32	Chlorine Dioxide: ClO <sub>2</sub>	mg/L - Density	2021.2
33	Chlorine Gas Feed Rate: Cl Gas Feed Rate	Kg/h - MassFlow	2021.3
34	Chlorine, Free Residual: Free Cl	mg/L - Density	2021.3
35	Chromium Load: Cr, Load	lbs/day - MassFlow	2021.3
36	Chromium, Dissolved: Cr, Dissolved	µg/L - Density	2021.2
37	Chromium, Total: Cr, Total	µg/L - Density	2021.2
38	COD, 025N K2CR207	mg/L	2021.3



39	Copper, Dissolved: Cu, Dissolved	µg/L - Density	2021.2
40	Copper, Load: Cu, Load	lbs/day - MassFlow	2021.3
41	Copper, Total: Cu, Total	µg/L - Density	2021.2
42	Copper, Total Recoverable: Cu, Total Recoverable	µg/L - Density	2021.2
43	Cumulative Chlorine Exposure: CL2 Exposure	ppm-hrs - Unitless	2021.2
44	Cyanide, Load: CN, Load	lbs/day - MassFlow	2021.3
45	Dissolved Oxygen: DO	mg/L - Density	2021.2
46	Dosing, Ozone: Dosing O <sub>3</sub>	mg/L - Density	2021.2
47	E. Coli	MTEC-MF (#100mL)	2021.3
48	Fecal Coliform m-Fc: Fecal m-Fc	#/100mL - Unitless	2021.2
49	Fluoride: F-	mg/L - Density	2021.2
50	Food/Mass Ratio: F/M Ratio	Ratio - Ratio	2021.2
51	Hydrogen Bromide: HBr	% - Density	2021.2
52	Hydrogen Chloride: HCl	% - Density	2021.2
53	Hydrogen Fluoride: HF	% - Density	2021.2
54	Iron, Dissolved: Fe, Dissolved (	mg/L - Density	2021.2
55	Lamp Power Level: Lamp Power Level (%)	Ratio - Ratio	2021.2
56	Lead, Dissolved: Pb, Dissolved	µg/L - Density	2021.2
57	Lead, Load: Pb, Load	lbs/day - MassFlow	2021.3
58	Level Percent: Level %	% Unitless - Unitless	2021.2
59	Load Number: Load #	# - StandardUnit	2021.2
60	Mercury, Load: Hg, Load	lbs/day - MassFlow	2021.3
61	Methylene Blue Active Substances: MBA	mg/L - Density	2021.3
62	Molibdenum, Load: Mo, Load	lbs/day - MassFlow	2021.3
63	Nickel, Load: Ni, Load	lbs/day - MassFlow	2021.3
64	Nitrate Load: NO <sub>3</sub> Load	(lbs/day - MassFlow	2021.2
65	Nitrite Load: NO <sub>2</sub> Load	lbs/day - MassFlow	2021.2
66	Nitrite Nitrogen, Total	mg/L as N	2021.3
67	Nitrite Plus Nitrate, Total 1 Det	mg/L as N	2021.3
68	Nitrite: NO <sub>2</sub>	mg/L - Density	2021.2
69	Nitrite+Nitrate Load: NO <sub>2</sub> +NO <sub>3</sub> Load	lbs/day - MassFlow	2021.3
70	Nitrogen, Ammonia, Total	mg/L as N	2021.3
71	Nitrogen, Kjeldahl, Total	mg/L as N	2021.3
72	Nitrogen, Total	N	2021.3
73	Nitrogen, Total Kjeldahl: TKN	mg/L - Density	2021.2
74	Oil And Grease, Visual: O&G, Visual	TBD - Unitless	2021.2
75	Oil: Oil	TBD - Unitless	2021.2
76	Oxidation-Reduction Potential: ORP	mV - ElectricPotential	2021.2
77	Oxygen Dissolved	mg/L	2021.3



78	Ozone Gas Produced: O <sub>3</sub> Gas Produced	lbs/day - MassFlow	2021.2
79	Ozone Gas: O <sub>3</sub> Gas	ppm (Ratio) - Ratio	2021.2
80	Parameter: Sludge, Lead: Sludge, Pb	mg/kg - Unitless	2021.2
81	Phosphate, Ortho	mg/L as PO <sub>4</sub>	2021.3
82	Phosphorus Percent Removal: Phos % Removal	% - Ratio	2021.2
83	Pumping Water Level: PWL	(m - Length	2021.2
84	Residue, Total Filtrable (Dried at 180C)	mg/L	2021.3
85	Residue, Total Nonfiltrable	mg/L	2021.3
86	Residue, Volatile, Nonfiltrable	mg/L	2021.3
87	Selenium, Load: Se,Load	lbs/day - MassFlow	2021.3
88	Settleability 10 Minutes: SSV10	mL/L - Ratio	2021.2
89	Settleability 120 Minutes: SSV120	mL/L - Ratio	2021.2
90	Settleability 15 Minutes: SSV15	mL/L - Ratio	2021.2
91	Settleability 30 Minutes: SSV30	mL/L - Ratio	2021.2
92	Settleability 45 Minutes: SSV45	mL/L - Ratio	2021.2
93	Settleability 5 Minutes: SSV5	mL/L - Ratio	2021.2
94	Settleability 60 Minutes: SSV60	mL/L - Ratio	2021.2
95	Settleability 90 Minutes: SSV90	mL/L - Ratio	2021.2
96	Silver, Dissolved: Ag, Dissolved	µg/L - Density	2021.2
97	Silver, Load: Ag, load	lbs/day - MassFlow	2021.3
98	Sludge, Ammonium: Sludge, H4N+	mg/kg - Unitless	2021.2
99	Sludge, Arsenic: Sludge, As	mg/kg - Unitless	2021.2
100	Sludge, Beryllium: Sludge, Be	mg/kg - Unitless	2021.2
101	Sludge, Cadmium: Sludge, Cd	mg/kg - Unitless	2021.2
102	Sludge, Chromium: Sludge, Cr	mg/kg - Unitless	2021.2
103	Sludge, Copper: Sludge, Cu	mg/kg - Unitless	2021.2
104	Sludge, Nickel: Sludge, Ni	mg/kg - Unitless	2021.2
105	Sludge, Phosphorus: Sludge, P	mg/kg - Unitless	2021.2
106	Sludge, Zinc: Sludge, Zn	mg/kg - Unitless	2021.2
107	Solids Retention Time: SRT	days - Duration	2021.2
108	Specific Oxygen Uptake Rate: SOUR	mg/L/g/hour - Unitless	2021.2
109	Surface Loading Rate: SLR	TBD - Unitless	2021.2
110	Surface Overflow Rate: SOR	gpd/ft <sup>2</sup> - Unitless	2021.2
111	Thallium Total: TI, Total	mg/L Density	2021.3
112	Thallium, Load: TI, Load	lbs/day - MassFlow	2021.3
113	Thallium, Total	ug/L AS TI	2021.3
114	Total Dissolved Solids (Deprecated): TDS (Deprecated)	mg/L - Density	2021.2
115	Total Dissolved Solids: TDS	mg/L - Density	2021.2
116	Total Solids: TS	mg/L - Density	2021.2



117	Total Suspended Solids Percent Removal: TSS % Removal	% - Ratio	2021.2
118	Ultraviolet Light Transmittance: UVT	% - Ratio	2021.2
119	Variable Frequency Drive Power: VFD Power	hp - Power	2021.2
120	Volatile Acids to Alkalinity Ratio: VA to Alka Ratio	Ratio - Ratio	2021.2
121	Volatile Fatty Acids: VFA	mg/L - Density	2021.3
122	Volatile Suspended Solids Mass under Aeration: VSS under Aeration	lbs - Mass	2021.2
123	Volatile Suspended Solids: VSS	mL/g - SpecificVolume	2021.2
124	Wier Overflow Rate: WOR	TBD - Unitless	2021.2
125	Zinc, Total: Zn, Total	µg/L - Density	2021.2