National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VIRAT GLOBAL LAB, KHASRA NO. 973, GROUND FLOOR, BDS HOSTEL CAMPUS, LUCKNOW, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10719 **Page No** 1 of 9

Validity 09/06/2022 to 08/06/2024 **Last Amended on** 24/08/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Waste Water	Faecal Coliform Count	APHA 23rd Ed. 9221 E
2	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Waste Water	Faecal Coliform Count	IS 1622
3	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Waste Water	Total Coliform Count	APHA 23rd Ed. 9221 A
4	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Waste Water	Total Coliform Count	IS 1622
5	BIOLOGICAL- WATER	Drinking Water	Faecal Coliform Count	APHA 23rd Ed. 9221 E
6	BIOLOGICAL- WATER	Drinking Water	Faecal Coliform Count	IS 1622
7	BIOLOGICAL- WATER	Drinking Water	Total Coliform Count	APHA 23rd Ed. 9221A
8	BIOLOGICAL- WATER	Drinking Water	Total Coliform Count	IS 1622
9	BIOLOGICAL- WATER	Ground Water	Faecal Coliform Count	APHA 23rd Ed. 9221 E
10	BIOLOGICAL- WATER	Ground Water	Faecal Coliform Count	IS 1622
11	BIOLOGICAL- WATER	Ground Water	Total Coliform Count	APHA 23rd Ed. 9221 A
12	BIOLOGICAL- WATER	Ground Water	Total Coliform Count	IS 1622
13	BIOLOGICAL- WATER	Surface Water	Faecal Coliform Count	APHA 23rd Ed. 9221 E
14	BIOLOGICAL- WATER	Surface Water	Faecal Coliform Count	IS 1622
15	BIOLOGICAL- WATER	Surface Water	Total Coliform Count	APHA 23rd Ed. 9221 A
16	BIOLOGICAL- WATER	Surface Water	Total Coliform Count	IS 1622
17	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	IS 5182 (Part 25)
18	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Arsenic	VGL/SOP/AIR/01
19	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead	IS 5182 (Part 22)
20	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel	IS 5182 (Part26)
21	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide	IS 5182 (Part 6)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
22	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone	IS 5182 (Part 9)
23	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM 2.5	IS 5182 (Part 24)
24	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM10	IS 5182 (Part 23)
25	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide	IS 5182 (Part 2)
26	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels (Excluding Vibration)	Ambient Noise Level - Leq	IS 9989
27	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise Levels (Excluding Vibration)	Source Noise/DG Noise	IS 4758
28	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Di Oxide	IS 13270
29	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Mono Oxide	IS 13270
30	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen	IS 11255 (Part 7)
31	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxygen	IS 13270
32	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS 11255 (Part 1)
33	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Di Oxide	IS 11255 (Part 2)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Boron	VGL/SOP/SOIL/09
35	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Calcium	VGL/SOP/SOIL/08
36	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Magnesium	VGL/SOP/SOIL/08
37	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Bulk Density	VGL/SOP/SOIL/03
38	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Cadmium	VGL/SOP/SOIL/10
39	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Calcium Carbonate	IS 2720 (Part 23)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	CEC (Cation Exchange Capacity)	IS 2720 (Part 24)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
41	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Chloride	VGL/SOP/SOIL/12
42	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Copper	VGL/SOP/SOIL/10
43	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Electrical Conductivity	IS 14767
44	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Iron	VGL/SOP/SOIL/10
45	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Lead	VGL/SOP/SOIL/10
46	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Manganese	VGL/SOP/SOIL/10
47	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Moisture/Water Content	IS 2720 (Part 2)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Nickel	VGL/SOP/SOIL/10
49	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Nitrate	VGL/SOP/SOIL/07
50	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Carbon	VGL/SOP/SOIL/06
51	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Matter	VGL/SOP/SOIL/06
52	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH	IS 2720 (Part 26)
53	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Phosphate	VGL/SOP/SOIL/05
54	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Potassium	IS 9497
55	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Sodium	IS 9497
56	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Soil Texture (Sand, Silt, Clay)	VGL/SOP/SOIL/01
57	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Specific Gravity	IS 2720 (Part 3)
58	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Sulphate	IS 2720 (Part 27)
59	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Nitrogen	VGL/SOP/SOIL/07

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
60	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Phosphorus	VGL/SOP/SOIL/04
61	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Water Holding Capacity	VGL/SOP/SOIL/02
62	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Zinc	VGL/SOP/SOIL/10
63	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammonical Nitrogen	APHA 23rd Ed. 4500-NH3 F
64	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Biochemical Oxygen Demand	IS 3025 (Part 44)
65	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Boron	APHA 23rd Ed. 4500-B C
66	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Cadmium	APHA 23rd Ed. 3111 B
67	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium	APHA 23rd Ed.3500-Ca B
68	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	APHA 23rd Ed. 5220 A+C / IS 3025 (Part 58)
69	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride	APHA 23rd Ed. 4500-Cl B
70	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Conductivity	APHA 23rd Ed. 2510 B
71	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Copper	APHA 23rd Ed. 3111 B
72	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen	APHA 23rd Ed 4500 C : 2017/ IS 3025 (Part 38)
73	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fixed Solids & Volatile Solids	APHA 23rd Ed. 2540 E
74	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluoride	APHA 23rd Ed. 4500 C
75	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Free Residual Chlorine	APHA 23rd Ed. 4500-Cl B
76	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Hexavalent Chromium	APHA 23rd Ed. 3111 A+B
77	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron	APHA 23rd Ed. 3500-Fe B
78	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Lead	APHA, 23rd Ed. 3111 A+B

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
79	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium	APHA 23rd Ed. 3500-Mg B
80	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Mercury	APHA 23rd Ed. 3112 B
81	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nickel	APHA 3rd Ed. 3111 B
82	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	APHA 23rd Ed. 5520 B
83	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	APHA 23rd Ed. 4500 B
84	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phenolic Compound	APHA 23rd Ed. 5530 C
85	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphate	APHA 23rd Ed. 4500-PD
86	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium	APHA 23rd Ed. 3500 B
87	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium	APHA 23rd Ed. 3500 B
88	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulfide	APHA 23rd Ed. 4500-S2- F
89	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate	APHA 23rd Ed. 4500-SO4- E
90	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Temperature	APHA 23rd Ed. 2550 B
91	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solids	APHA 23rd Ed. 2540-C
92	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Hardness	APHA 23rd Ed. 2340 C
93	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Kjeldahl Nitrogen	APHA 23rd Ed. 4500-Norg A+C
94	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Solids	APHA 23rd Ed. 2540-B
95	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids	APHA 23rd Ed. 2540-D
96	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Turbidity	APHA 23rd Ed. 2130 B
97	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Zinc	APHA 23rd Ed. 3111 B

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
98	CHEMICAL- WATER	Drinking Water	Acidity	APHA 23rd Ed. 2310 B
99	CHEMICAL- WATER	Drinking Water	Alkalinity	APHA 23rd Ed. 2320 B
100	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen	APHA 23rd Ed. 4500-NH3 F
101	CHEMICAL- WATER	Drinking Water	Boron	APHA 23rd Ed. 4500 C
102	CHEMICAL- WATER	Drinking Water	Cadmium	APHA 23rd Ed. 3111 B
103	CHEMICAL- WATER	Drinking Water	Calcium	APHA 23rd Ed. 3500-Ca B
104	CHEMICAL- WATER	Drinking Water	Chloride	APHA 23rd Ed. 4500-Cl- B
105	CHEMICAL- WATER	Drinking Water	Colour	APHA 23rd Ed. 2120 B
106	CHEMICAL- WATER	Drinking Water	Conductivity	APHA 23rd Ed. 2510 B
107	CHEMICAL- WATER	Drinking Water	Copper	APHA 23rd Ed. 3111 B
108	CHEMICAL- WATER	Drinking Water	Fluoride	APHA 23rd Ed. 4500-C
109	CHEMICAL- WATER	Drinking Water	Free Residual Chlorine	APHA 23rd Ed. 4500-Cl- B
110	CHEMICAL- WATER	Drinking Water	Hexavalent Chromium	APHA 4500-B B
111	CHEMICAL- WATER	Drinking Water	Iron	APHA 23rd Ed. 3500-Fe B
112	CHEMICAL- WATER	Drinking Water	Lead	APHA 23rd Ed. 3111 B
113	CHEMICAL- WATER	Drinking Water	Magnesium	APHA 23rd Ed. 3500-Mg B
114	CHEMICAL- WATER	Drinking Water	Mercury	APHA 23rd Ed. 3112 B
115	CHEMICAL- WATER	Drinking Water	Nickel	APHA 23rd Ed. 3111 B
116	CHEMICAL- WATER	Drinking Water	Nitrate	APHA 23rd Ed. 4500-NO3 B
117	CHEMICAL- WATER	Drinking Water	Odour	APHA 23rd Ed. 2150 B
118	CHEMICAL- WATER	Drinking Water	pH	APHA 23rd Ed. 4500 B
119	CHEMICAL- WATER	Drinking Water	Phenolic Compound	APHA 23rd Ed. 5530 C
120	CHEMICAL- WATER	Drinking Water	Phosphate	APHA 23rd Ed. 4500-SO42- E
121	CHEMICAL- WATER	Drinking Water	Potassium	APHA 23rd Ed. 3500 K B
122	CHEMICAL- WATER	Drinking Water	Sodium	APHA 23rd Ed. 3500-Na B
123	CHEMICAL- WATER	Drinking Water	Sodium	APHA 23rd Ed. 3500-Na B
124	CHEMICAL- WATER	Drinking Water	Sulfate	APHA 4500-SO4- E
125	CHEMICAL- WATER	Drinking Water	Temperature	APHA 23rd Ed. 2550 B
126	CHEMICAL- WATER	Drinking Water	Total Chromium	APHA 23rd Ed. 3111 B
127	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	APHA 23rd Ed. 2540 C

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128	CHEMICAL- WATER	Drinking Water	Total Hardness	APHA 23rd Ed. 2340 C
129	CHEMICAL- WATER	Drinking Water	Total Solids	APHA 23rd Ed. 2540-B
130	CHEMICAL- WATER	Drinking Water	Turbidity	APHA 23rd Ed. 2130 B
131	CHEMICAL- WATER	Drinking Water	Zinc	APHA 23rd Ed. 3111 B
132	CHEMICAL- WATER	Ground Water	Acidity	APHA 23rd Ed. 2310 B
133	CHEMICAL- WATER	Ground Water	Alkalinity	APHA 23rd Ed. 2320 B
134	CHEMICAL- WATER	Ground Water	Boron	APHA 23rd Ed. 4500 C
135	CHEMICAL- WATER	Ground Water	Cadmium	APHA 23rd Ed. 3111 B
136	CHEMICAL- WATER	Ground Water	Calcium	APHA 23rd Ed.3500-Ca B
137	CHEMICAL- WATER	Ground Water	Chloride	APHA 23rd Ed. 4500-Cl- B
138	CHEMICAL- WATER	Ground Water	Chloride	APHA 23rd Ed. 4500-Cl- B
139	CHEMICAL- WATER	Ground Water	Colour	APHA 23rd Ed. 2120 B
140	CHEMICAL- WATER	Ground Water	Conductivity	APHA 23rd Ed. 2510 B
141	CHEMICAL- WATER	Ground Water	Copper	APHA 23rd Ed. 3111 B
142	CHEMICAL- WATER	Ground Water	Fluoride	APHA 23rd Ed. 4500-C
143	CHEMICAL- WATER	Ground Water	Free Residual Chlorine	APHA 23rd Ed. 4500-Cl- B
144	CHEMICAL- WATER	Ground Water	Hexavalent Chromium	APHA 4500-B B
145	CHEMICAL- WATER	Ground Water	Iron	APHA 23rd Ed. 3500-Fe B
146	CHEMICAL- WATER	Ground Water	Lead	APHA 23rd Ed. 3111 B
147	CHEMICAL- WATER	Ground Water	Magnesium	APHA 23rd Ed. 3500-Mg B
148	CHEMICAL- WATER	Ground Water	Mercury	APHA 23rd Ed. 3112 B
149	CHEMICAL- WATER	Ground Water	Nickel	APHA 23rd Ed. 3111 B
150	CHEMICAL- WATER	Ground Water	Nitrate	APHA 23rd Ed. 4500-NO3- B
151	CHEMICAL- WATER	Ground Water	Odour	APHA 23rd Ed. 2150 B
152	CHEMICAL- WATER	Ground Water	pH	APHA 23rd Ed. 4500 B
153	CHEMICAL- WATER	Ground Water	Phenolic Compound	APHA 23rd Ed. 5530 C
154	CHEMICAL- WATER	Ground Water	Phosphate	APHA 23rd Ed. 4500-PD
155	CHEMICAL- WATER	Ground Water	Potassium	APHA 23rd Ed. 3500 B
156	CHEMICAL- WATER	Ground Water	Sodium	APHA 23rd Ed. 3500 B
157	CHEMICAL- WATER	Ground Water	Sulfate	APHA 23rd Ed. 4500-SO42- E

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158	CHEMICAL- WATER	Ground Water	Temperature	APHA 23rd Ed. 2550 B
159	CHEMICAL- WATER	Ground Water	Total Chromium	APHA 23rd Ed. 3111 B
160	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	APHA 23rd Ed. 2540-C
161	CHEMICAL- WATER	Ground Water	Total Hardness	APHA 23rd Ed. 2340 C
162	CHEMICAL- WATER	Ground Water	Total Solids	APHA 23rd Ed. 2540-B
163	CHEMICAL- WATER	Ground Water	Turbidity	APHA 23rd Ed.2130 B
164	CHEMICAL- WATER	Ground Water	Zinc	APHA 23rd Ed. 3111 B
165	CHEMICAL- WATER	Surface Water	Acidity	APHA 23rd Ed. 2310 B
166	CHEMICAL- WATER	Surface Water	Alkalinity	APHA 23rd Ed. 2320 B
167	CHEMICAL- WATER	Surface Water	Boron	APHA 23rd Ed. 4500 C
168	CHEMICAL- WATER	Surface Water	Cadmium	APHA 23rd Ed. 3111 B
169	CHEMICAL- WATER	Surface Water	Calcium	APHA 23rd Ed.3500-Ca B
170	CHEMICAL- WATER	Surface Water	Chloride	APHA 23rd Ed. 4500-Cl- B
171	CHEMICAL- WATER	Surface Water	Colour	APHA 23rd Ed. 2120 B
172	CHEMICAL- WATER	Surface Water	Conductivity	APHA 23rd Ed. 2510 B
173	CHEMICAL- WATER	Surface Water	Copper	APHA 23rd Ed. 3111 B
174	CHEMICAL- WATER	Surface Water	Fixed Volatile Solid	APHA 23rd Ed 2540 E
175	CHEMICAL- WATER	Surface Water	Fluoride	APHA 23rd Ed. 4500-C
176	CHEMICAL- WATER	Surface Water	Free Residual Chlorine	APHA 23rd Ed. 4500-Cl- B
177	CHEMICAL- WATER	Surface Water	Hexavalent Chromium	APHA 4500-B B
178	CHEMICAL- WATER	Surface Water	Iron	APHA 23rd Ed. 3500-Fe B
179	CHEMICAL- WATER	Surface Water	Lead	APHA 23rd Ed. 3111 B
180	CHEMICAL- WATER	Surface Water	Magnesium	APHA 23rd Ed. 3500-Mg B
181	CHEMICAL- WATER	Surface Water	Mercury	APHA 23rd Ed. 3112 B
182	CHEMICAL- WATER	Surface Water	Nickel	APHA 23rd Ed. 3111 B
183	CHEMICAL- WATER	Surface Water	Nitrate Nitrogen	APHA 23rd Ed. 4500-NO3- B
184	CHEMICAL- WATER	Surface Water	Odour	APHA 23rd Ed. 2150 B
185	CHEMICAL- WATER	Surface Water	pH	APHA 23rd Ed. 4500 B
186	CHEMICAL- WATER	Surface Water	Phenolic compound	APHA 23rd Ed. 5530 C
187	CHEMICAL- WATER	Surface Water	Phosphate	APHA 23rd Ed. 4500-PD

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188	CHEMICAL- WATER	Surface Water	Potassium	APHA 23rd Ed. 3500 B
189	CHEMICAL- WATER	Surface Water	Sodium	APHA 23rd Ed. 3500 Na A+B
190	CHEMICAL- WATER	Surface Water	Sulfate	APHA 23rd Ed. 4500-SO42- E
191	CHEMICAL- WATER	Surface Water	Temperature	APHA 23rd Ed. 2550 B
192	CHEMICAL- WATER	Surface Water	Total Chromium	APHA 23rd Ed. 3111 B
193	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	APHA 23rd Ed. 2540-C
194	CHEMICAL- WATER	Surface Water	Total Hardness	APHA 23rd Ed. 2340 C
195	CHEMICAL- WATER	Surface Water	Total Solids	APHA 23rd Ed. 2540-B
196	CHEMICAL- WATER	Surface Water	Turbidity	APHA 23rd Ed. 2130 B
197	CHEMICAL- WATER	Surface Water	Zinc	APHA 23rd Ed. 3111 B