	Parameter	Range	Resolution	Accuracy (@ 25°C)	LED (λ nm)	Method	Reagent Code
1	Alkalinity	0 to 500 mg/L (as $CaCO_3$)	1 mg/L	±5 mg/L ±5% of reading	@610 nm	Bromocresol green	HI775–26 25 tests
2	Alkalinity, Marine	0 to 300 mg/L (as $CaCO_3$)	1 mg/L	±5 mg/L ±5% of reading	@610 nm	Bromocresol green	HI755–26 25 tests
3	Aluminum	0.00 to 1.00 mg/L (as Al3+)	0.01 mg/L	±0.04 mg/L ±4% of reading	@525 nm	aluminon	HI93712–01 100 tests
4	Ammonia LR	0.00 to 3.00 mg/L (as NH_3-N)	0.01 mg/L	±0.04 mg/L ±4% of reading	@420 nm	Nessler	HI93700–01 100 tests
5	Ammonia LR (16 mm vial)	0.00 to 3.00 mg/L (as NH_3-N)	0.01 mg/L	± 0.10 mg/L or ± 5% of reading, whichever is greater	@420 nm	Nessler	HI93764A–25 25 tests
6	Ammonia MR	0.00 to 10.00 mg/L (as NH_3-N)	0.01 mg/L	±0.05 mg/L ±5% of reading	@420 nm	Nessler	HI93715–01 100 tests
7	Ammonia HR	0.0 to 100.0 mg/L (as NH_3-N)	0.1 mg/L	±0.5 mg/L ±5% of reading	@420 nm	Nessler	HI93733–01 100 tests
8	Ammonia HR (16 mm vial)	0.0 to 100.0 mg/L (as NH_3-N)	0.1 mg/L	± 1 mg/L or ± 5% of reading,whichever is greater	@420 nm	Nessler	HI93764B–25 25 tests
9	Bromine	0.00 to 8.00 mg/L (as Br_2)	0.01 mg/L	±0.08 mg/L ±3% of reading	@525 nm	DPD	HI93716–01 100 tests
10	Calcium	0 to 400 mg/L (as Ca^{2+})	1 mg/L	±10 mg/L ±5% of reading	@466 nm	oxalate	HI937521–01 50 tests
11	Calcium, Marine	200 to 600 mg/L (as Ca^{2+})	1 mg/L	±6% of reading	@610 nm	zincon	HI758–26 25 tests
12	Chloride	0.0 to 20.0 mg/L (as Cl^-)	0.1 mg/L	±0.5 mg/L ±6% of reading	@466 nm	mercury (II) thiocyanate	HI93753–01 100 tests
13	Chlorine Dioxide	0.00 to 2.00 mg/L (as ClO_2)	0.01 mg/L	±0.10 mg/L ±5% of reading	@575 nm	chlorophenol red	HI93738–01 100 tests
14	Chlorine Dioxide, Rapid	0.00 to 2.00 mg/L (as ClO_2)	0.01 mg/L	±0.10 mg/L ±5% of reading	@575 nm	chlorophenol red	HI96779–01 100 tests
15	Chlorine, Free	0.00 to 5.00 mg/L (as Cl_2)	0.01 mg/L	±0.03 mg/L ±3% of reading	@525 nm	DPD	HI93701-01 100 tests
16	Chlorine, Free ULR	0.000 to 0.500 mg/L (as Cl_2)	0.001 mg/L	±0.020 mg/L ±3% of reading	@525 nm	DPD	HI95762–01 100 tests
17	Chlorine, Total	0.00 to 5.00 mg/L (as Cl^-)	0.01 mg/L	±0.03 mg/L ±3% of reading	@525 nm	DPD	HI93711-01 100 tests
18	Chlorine, Total ULR	0.000 to 0.500 mg/L (as Cl_2)	0.001 mg/L	±0.020 mg/L ±3% of reading	@525 nm	DPD	HI95761–01 100 tests
19	Chlorine, Total UHR	0 to 500 mg/L (as Cl_2)	1 mg/L	±3 mg/L ±3% of reading	@525 nm	iodometric	HI95771–01 100 tests
20	Chromium(VI) LR	0 to 300 µg/L (as Cr^{6+})	1 µg/L	±10 µg/L ±4% of reading	@525 nm	diphenylcarbohydrazide	HI93749–01 100 tests
21	Chromium(VI) HR	0 to 1000 µg/L (as Cr^{6+})	1 µg/L	±5 µg/L ±4% of reading	@525 nm	diphenylcarbohydrazide	HI93723–01 100 tests
22	Chromium, Total and VI(16 mm vial)	0 - 1000 ug/L (as Cr)	1 µg/L	±10 µg/L ±3% of reading	@525 nm	diphenylcarbohydrazide	HI96781-25 25 tests
23	COD LR (16 mm vial)*	0 to 150 mg/L (as O_2)	1 mg/L	±5 mg/L or ±4% of reading @25°C, whichever is greater	@420 nm	dichromate ISO dichromate EPA mercury-free dichromate	HI93754A-25 24 tests HI93754D-25 24 tests HI93754F-25 24 tests
24	COD MR (16 mm vial)*	0 to 1500 mg/L (as O_2)	1 mg/L	±15 mg/L or ±4% of reading @25°C, whichever is greater	@610 nm	dichromate ISO dichromate EPA mercury-free dichromate	HI93754B-25 24 tests HI93754E-25 24 tests HI93754G-25 24 tests
25	COD HR (16 mm vial)*	0 to 15000 mg/L (as O_2)	1 mg/L	±150 mg/L or ±2% of reading@ 25°C, whichever is greater	@610 nm	dichromate	HI93754C-25 24 tests
26	COD UHR (16 mm vial)	0.0 to 60.0 g/L (as O_2)	0.1 g/L	±0.5 mg/L ±3% of reading	@610 nm	dichromate	HI93754J-25 24 tests
27	Color of Water	0 to 500 PCU (Platinum Cobalt Units)	1 PCU	±10 PCU ±5% of reading	@420 nm	colorimetric platinum cobalt	
28	Copper LR	0.000 to 1.500 mg/L (as Cu^{2+})	0.001 mg/L	±0.010 mg/L ±5% of reading	@575 nm	bicinchoninate	HI95747–01 100 tests
29	Copper HR	0.00 to 5.00 mg/L (as Cu^{2+})	0.01 mg/L	±0.02 mg/L ±4% of reading	@575 nm	bicinchoninate	HI93702–01 100 tests
30	Cyanuric Acid	0 to 80 mg/L (as CYA)	1 mg/L	±1 mg/L ±15% of reading	@525 nm	turbidimetric	HI93722–01 100 tests
31	Fluoride LR	0.00 to 2.00 mg/L (as F^-)	0.01 mg/L	±0.03 mg/L ±3% of reading	@575 nm	SPADNS	HI93729–01 100 tests
32	Fluoride HR	0.0 to 20.0 mg/L (as F^-)	0.1 mg/L	±0.5 mg/L ±3% of reading	@575 nm	SPADNS	HI93739–01 100 tests
33	Hardness, Calcium	0.00 to 2.70 mg/L (as $CaCO_3$)	0.01 mg/L	±0.11 mg/L ±5% of reading	@525 nm	calmagite	HI93720–01 100 tests
34	Hardness, Magnesium	0.00 to 2.00 mg/L (ppm) (as $CaCO_3$)	0.01 mg/L	±0.11 mg/L ±5% of reading	@525 nm	EDTA	HI93719–01 100 tests
35	Hardness, Total LR	0 to 250 mg/L (as $CaCO_3$)	1 mg/L	±5 mg/L ±4% of reading	@466 nm	EPA 130.1	HI93735–00 100 tests
36	Hardness, Total MR	200 to 500 mg/L (as $CaCO_3$) ts	1 mg/L	±7 mg/L ±3% of reading	@466 nm	EPA 130.1	HI93735–01 100 tes
37	Hardness, Total HR	400 to 750 mg/L (as $CaCO_3$)	1 mg/L	±10 mg/L ±2% of reading	@466 nm	EPA 130.1	HI93735–02 100 tests
38	Hydrazine	0 to 400 µg/L (as N_2H_4)	1 µg/L	±4% of full scale reading	@466 nm	p-Dimethylaminobenzaldehyde	HI93704–01 100 tests
39	Iodine	0.0 to 12.5 mg/L (as I_2)	0.1 mg/L	±0.1 mg/L ±5% of reading	@525 nm	DPD	HI93718–01 100 tests
40	Iron (II) (ferrous)	0.00 to 6.00 mg/L Fe^{2+}	0.01 mg/L	±0.10 mg/L ±2% of reading	@525 nm	phenanthroline	HI96776-01 100 tests
41	Iron (II)/(III) (ferrous and ferric)	0.00 to 6.00 mg/L Fe	0.01 mg/L	±0.10 mg/L ±2% of reading	@525 nm	phenanthroline	HI96777-01 100 tests
42	Iron LR	0.000 to 1.600 mg/L (as Fe)	0.001 mg/L	±0.010 mg/L ±8% of reading	@575 nm	TPTZ	HI93746–01 50 tests

43	Iron HR	0.00 to 5.00 mg/L (as Fe)	0.01 mg/L	±0.04 mg/L ±2% of reading	@525 nm	phenanthroline	HI93721–01 100 tests
44	Iron, Total (16 mm vial)	0.00 to 7.00 mg/L (as Fe)	0.01 mg/L	±0.20 mg/L or± 3%,whichever is greater	@525 nm	phenanthroline	HI96778-25 25 tests
45	Magnesium	0 to 150 mg/L (as Mg^{2}+)	1 mg/L	±5 mg/L ±3% of reading	@466 nm	calmagite	HI937520–01 50 tests
46	Manganese LR	0 to 300 µg/L (as Mn)	1 µg/L	±10 µg/L ±3% of reading	@575 nm	PAN	HI93748–01 50 tests
47	Manganese HR	0.0 to 20.0 mg/L (as Mn)	0.1 mg/L	±0.2 mg/L ±3% of reading	@525 nm	periodate	HI93709–01 100 tests
48	Molybdenum	0.0 to 40.0 mg/L (as Mo^{6}+) ts	0.1 mg/L	±0.3 mg/L ±5% of reading	@420 nm	mercaptoacetic acid	HI93730–01 100 tes
49	Nickel LR	0.000 to 1.000 mg/L (as Ni)	0.001 mg/L	±0.010 mg/L ±7% of reading	@575 nm	PAN	HI93740–01 50 tests
50	Nickel HR	0.00 to 7.00 g/L (as Ni)	0.01 g/L	±0.07g/L ±4% of reading	@575 nm	photometric	HI93726–01 100 tests
51	Nitrate	0.0 to 30.0 mg/L (as NO_3^-- N)	0.1 mg/L	±0.5 mg/L ±10% of reading	@525 nm	cadmium reduction	HI93728–01 100 tests
52	Nitrate (16 mm vial)	0.0 to 30.0 mg/L Nitrate(as NO_3^-- N)	0.1 mg/L	±1.0 mg/L or ±3% of reading,whichever is greater	@420 nm	chromotropic acid	HI93766–50 50 tests
53	Nitrite ULR, Marine	0 to 200 µg/L (as $N0_2^-$- N)	1 µg/L	±10 µg/L ±4% of reading	@466 nm	diazotization	HI764–25 25 tests
54	Nitrite LR	0 to 600 µg/L (as $N0_2^-$- N)	1 µg/L	±20 µg/L ±4% of reading	@466 nm	diazotization	HI93707–01 100 tests
55	Nitrite LR (16 mm vial)	0 to 600 ug/L (as $N0_2^-$- N)	1 µg/L	±10 µg/L ±3% of reading	@525 nm	diazotization	HI96783-25 49 tests
56	Nitrite MR (16 mm vial)	0.00 to 6.00 mg/L (as $N0_2^-$- N)	0.01 mg/L	±0.10 mg/L ±3% of reading	@525 nm	diazotization	HI96784-25 49 tests
57	Nitrite HR	0 to 150 mg/L (as $N0_2^-$- N)	1 mg/L	±4 mg/L ±4% of reading	@575 nm	ferrous sulfate	HI93708–01 100 tests
58	Nitrogen, Total LR(16 mm vial)	0.0 to 25.0 mg/L (as NO_3^-- N)	0.1 mg/L	±1.0 mg/L or ±5% of reading,whichever is greater	@420 nm	chromotropic acid	HI93767A-50 50 tests
59	Nitrogen, Total HR(16 mm vial)	0 to 150 mg/L (as N)	1 mg/L	±3 mg/L or ±4% of reading,whichever is greater	@420 nm	chromotropic acid	HI93767B-50 50 tests
60	Oxygen, Dissolved	0.0 to 10.0 mg/L (as O_2)	0.1 mg/L	±0.4 mg/L ±3% of reading	@420 nm	Winkler	HI93732–01 100 tests
61	Oxygen Scavengers	0.00 to 1.50 mg/L(as Carbohydrazide)	0.01 mg/L	±0.02 µg/L ±3% of reading	@575 nm	iron reduction	HI96773–01 100 tests
62	Oxygen Scavengers	0 to 1000 µg/L (as DEHA)	1 µg/L	±5 µg/L ±5% of reading	@575 nm	iron reduction	HI96773–01 100 tests
63	Oxygen Scavengers	0.00 to 2.50 mg/L(as Hydroquinone)	0.01 mg/L	±0.04 µg/L ±3% of reading	@575 nm	iron reduction	HI96773–01 100 tests
64	Oxygen Scavengers	0.00 to 4.50 mg/L(as Iso-ascorbic acid)	0.01 mg/L	±0.03 µg/L ±3% of reading	@575 nm	iron reduction	HI96773–01 100 tests
65	Ozone	0.00 to 2.00 mg/L (as O_3)	0.01 mg/L	±0.02 mg/L ±3% of reading	@525 nm	DPD	HI93757–01 100 tests
66	pH	6.5 to 8.5	pH 0.1	pH ±0.1 pH	@525 nm	phenol red	HI93710–01 100 tests
67	Phosphate ULR, Marine	0 to 200 µg/L (as P)	1 µg/L	±5 µg/L ±5% of reading	@610 nm	ascorbic acid	HI774-25 25 tests
68	Phosphate LR	0.00 to 2.50 mg/L (ppm)	0.01 mg/L	±0.04 mg/L ±4% of reading	@610 nm	ascorbic acid	HI93713–01 100 tests
69	Phosphate HR	0.0 to 30.0 mg/L (as PO_4^{3}-)	0.1 mg/L	±1 mg/L ±4% of reading	@525 nm	amino acid	HI93717–01 100 tests
70	Phosphorus Reactive LR(16 mm vial)	0.00 to 1.60 mg/L (as P)	0.01 mg/L	±0.05 mg/L or ±4% of reading, whichever is greater	@610 nm	ascorbic acid	HI93758A-50 50 tests
71	Phosphorus Reactive HR(16 mm vial)	0.0 to 32.6 mg/L (as P)	0.1 mg/L	±0.5 mg/L or ±4% of reading,whichever is greater	@420 nm	vanadomolybdophosphoric acid	HI93763A-50 49 tests
72	Phosphorus Acid Hydrolyzable (16 mm vial)	0 to 1.6 mg/L (ppm) (as P)	0.1 mg/L	±0.05 mg/L or ±5% of readingC, whichever is greater	@610 nm	ascorbic acid	HI93758B-50 50 tests
73	Phosphorus, Total LR (16 mm vial)	0.00 to 1.15 mg/L (as P)	0.01 mg/L	±0.05 mg/L or ±6% of reading, whichever is greater	@610 nm	ascorbic acid	HI93758C-50 50 tests
74	Phosphorus, Total HR (16 mm vial)	0.0 to 32.6 mg/L (as P)	0.1 mg/L	±0.5 mg/L or ±5% of reading, whichever is greater	@420 nm	vanadomolybdophosphoric acid	HI93763B-50 49 tests
75	Potassium	0.0 to 20.0 mg/L (as K)	0.1 mg/L	±3.0 mg/L ±7% of reading	@466 nm	turbidimetric tetraphenylborate	HI93750–01 100 tests
76	Silica LR	0.00 to 2.00 mg/L (as SiO_2)	0.01 mg/L	±0.03 mg/L ±3% of reading	@610 nm	heteropoly blue	HI93705–01 100 tests
77	Silica HR	0 to 200 mg/L (as SiO_2)	1 mg/L	±1 mg/L ±5% of reading	@466 nm	molybdosilicate	HI96770–01 100 tests
78	Silver	0.000 to 1.000 mg/L (as Ag) s	0.001 mg/L	±0.020 mg/L ±5% of reading	@575 nm	PAN	HI93737–01 50 test
79	Sulfate	0 to 150 mg/L (as SO_4^{2}-)	1 mg/L	±5 mg/L ±3% of reading	@466 nm	turbidimetric	HI93751–01 100 tests
80	Surfactants, Anionic	0.00 to 3.50 mg/L (as SDBS)	0.01 mg/L	±0.04 mg/L ±3% of reading	@610 nm	methylene blue	HI95769–01 100 tests
81	Surfactants Anionic (16 mm vial)	0.00 to 3.50 mg/L (as SDBS)	0.01 mg/L	±0.10 mg/L ±5% of reading	@610 nm	methylene blue	HI96782-25 25 tests
82	Surfactants Nonionic (16 mm vial)	0.00 to 6.00 mg/L (as TRITONX-100)	0.01 mg/L	±0.10 mg/L ±5% of reading	@610 nm	TBPE	HI96780-25 24 tests
83	Zinc	0.00 to 3.00 mg/L (as Zn)	0.01 mg/L	±0.03 mg/L ±3% of reading	@575 nm	zincon	HI93731–01 100 tests