

No.	Parameter	Method / Reference	Sample Type
1	pH @ 25 °C	APHA 4500-H+B (Edition 23rd, 2017)	Water
2	Conductivity @ 25 °C	ASTM D 1125-23	Water
3	Turbidity	APHA 2130 B (Edition 22nd, 2012)	Water
4	Silica (ppb)	ASTM D 859-16 (Reapproved 2021)	Water
5	Iron (ppb) by MP-AES	ASTM D1976-12	Water
6	Sodium (ppb) by MP-AES	ASTM D1976-12	Water
7	Total Organic Carbon (TOC)	APHA-5310 B (Edition 22nd, 2012)	Water
8	Chloride (ppb) by IC	ASTM D-4327-11	Water
9	Total Suspended Solids (TSS)	APHA 2540 D (Edition 23rd, 2017)	Water
10	Total Dissolved Solids (TDS)	APHA 2540 C (Edition 23rd, 2017)	Water
11	Total Solids (TS)	APHA 2540 B (Edition 23rd, 2017)	Water
12	Oil & Grease	APHA 5520 C (Edition 22nd, 2012)	Water
13	Chloride as Cl (ppm wt)	APHA 4500-Cl- D (Edition 22nd, 2012)	Water
14	Chemical Oxygen Demand (COD)	APHA 5220 D (Edition 23rd, 2017)	Water
15	Biochemical Oxygen Demand (BOD)	APHA 5210 B (Edition 23rd, 2017)	Water
16	MLSS and MLVSS in Water Sample	APHA 2540 D/E (Edition 22nd, 2012)	Water
17	Sludge Volume Index (SV30 & SVI)	APHA 2710 C/D (Edition 22nd, 2012)	Water
18	Metals in water by ICP OES	US.EPA Method 200.7	Water
19	Ammonia (ppm as NH3)	APHA-4500 NH3 D (Edition 22nd, 2012)	Water
20	Hydrogen Sulfide (ppm)	ASTM D 4658-92	Water
21	Total Nitrogen (TKN) as N (mg/L as N)	HACH TNT plus 880	Water
22	Nitrite	In-house method base on IC method	Water

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23	Nitrate	In-house method base on IC method	Water
24	Organic Acid in Water by GC (FID)	APHA 5560D	Water
25	Alkalinity (as CaCO ₃) in Water	APHA 2320 B (Edition 22nd, 2012)	Water
26	Bicarbonate	APHA 2320 B (Edition 22nd, 2012)	Water
27	Carbonate	APHA 2320 B (Edition 22nd, 2012)	Water
28	Total Cyanide by UV-Vis Spectrophotometer	APHA 4500 - CN E (Edition 22nd, 2012)	Water
29	Formaldehyde in Water	ASTM D6303-98	Water
30	Free Chlorine in water	APHA 4500-Cl-F (Edition 22nd, 2012)	Water
31	Hardness in Water (Ca Hardness)	ASTM D 1126-12	Water
32	Hardness in Water (Magnesium)	ASTM D 1126-12	Water
33	Total Hardness	ASTM D 1126-12	Water
34	Hydrazine in Water analysis	ASTM D 1385-01	Water
35	Total Iron in Water by Phenanthroline	APHA-3500 Fe B (Edition 22nd, 2012)	Water
36	Nitrogen (Nitrate) by UV	APHA 4500 NO ₃ B (Edition 22nd, 2012)	Water
37	Phenol analysis	APHA 5530 D (Edition 22nd, 2012)	Water
38	Phenol (Test Kit) in water	Test Kit	Water
39	Ortho Phosphate	APHA 4500-P (Edition 22nd, 2012)	Water
40	Sulfide in water by Ion-selective electrode	ASTM D 4658-15	Water
41	Sulfate in water	APHA 4500 SO ₄ E (Edition 22nd, 2012)	Water
42	MLSS and MLVSS	APHA 2540 D/E (Edition 22nd, 2012)	Water
43	Total Dissolved Iron	APHA 3500-Fe B-12	Water
44	MDEA and Piperazine Range %	Titration Method	Water
45	NMP in Water By Direct Injection-GC Technique	In-house method base on W-(T-LB-O1)-3016	Water

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46	Light Hydrocarbons in Water and Wastewater by Gas Chromatographic Technique (BTX)	US EPA, SW-846 Method 5000-1996 and Method 8015D-2003	Water
47	Caustic and Salt in Caustic	UOP 209	Water
48	Caustic Soda (NaOH)	ASTM D1067	Water
49	ความเข้มข้น Sulfuric acid (H ₂ SO ₄)	APHA 2310 B	Water
50	Ferrous and Total Iron in MEA by UV	UCC Method (Iron)	Water
51	Antimony (Sb ²⁺) in MEA by UV	UCC Method (Antimony)	Water
52	Vanadium (5+) and Total Vanadium in MEA by UV	UCC Method (vanadium)	Water
53	ความเข้มข้นของ MEA, MDEA โดยวิธี Acid-Base Titration	UCC Method (MEA)	Water
54	การทดสอบ Diethanolamine (DEA) ในตัวอย่างน้ำ	UOP 824	Water
55	การทดสอบ Loss on ignition ในตัวอย่าง catalyst	UOP 275-Inactice	Water
56	Total Chloride ในตัวอย่าง Alumina Catalyst และ Silica Alumina Catalyst	UOP 291	Water
57	Metal in Catalyst	UOP 873	Water
58	Fluoride / Chloride / Bromide (ppm)	In-house method base on IC method	Water
59	Total Mercury	ASTM D3223-17	Water
60	Hexavalent Chromium, Cr(VI) in water	APHA-3500 Cr B (Edition 22nd, 2012)	Water
61	Determination of Organic acid in water by HPLC with DAD/RI detector	Inhouse method Agilent	Water
62	Volatile Organic Compounds by GC-MS (ppb V)	U.S.EPA, Compendium Method TO-15	Water