

Water Analysis - Comprehensive Parameter List							
SN.	Category	Test Parameter	Technique	Units	Method Ref	Min. Sample Size	Turnaround Time
	A. Organoleptic						
		Appearance	Visual	-	APHA 2110	50 ml	1 Day
1	P	Colour	Visual	Hazen Units	IS 3025 (Part-4)-1983	100 ml	1 Day
		Colour	Visual – Pt-Co Methoc	Colour Units	APHA 2120 B	150 ml	1 Day
		Colour	Spectrophotometric	nm, Hue, Luminance, Purity	APHA 2120 C	150 ml	1 Day
	P	Odour	Organoleptic	-	IS 3025 (Part-5)-1983	50 ml	1 Day
		Odour – Threshold Test	Organoleptic – Panel (5 – 10)	Threshold Odour Number (TON)	APHA 2150 B	500 ml	10 Days
	P	pH value	Electromeric Methoc	pH Units	APHA 4500 H+ B, IS-3025	50 ml	On-site / 1 Day
	P	Taste	Organoleptic – Panel (5 – 10)	Integer Rating (1..9)	IS 3025 (Part-8)-1984	150 ml	1 Day
		Taste	Flavor Threshold Test (FTT)	Flavour threshold Number (FTN)	APHA 2160 B	500 ml	10 Days
		Taste	Flavor Rating Assessment (FRA)	Integer Rating (1..9)	APHA 2160 C	500 ml	10 Days
		Flavor Profile Analysis	Organoleptic – Panel (5 – 10) (FPA)	Flavour & Intensity Profile	APHA 2170 B	2500 ml	10 Days
	P	Turbidity	Nephelometer	NTU	IS 3025 (Part-10)-1984	100 ml	1 Day
					APHA 2130B	100 ml	1 Day
	B. General						
		Acidity, as CaCO ₃	Titration (Electromeric)	mg/L	APHA 2310 B	100 ml	1 Day
	P	Acidity, as CaCO ₃	Titration	mg/L	IS 3025 (Part-22)-1986	100 ml	1 Day
	P1	Alkalinity (Total / Methyl Orange / M), as CaCO ₃	Titration	mg/L	IS 3025 (Part-23)-1986	100 ml	1 Day
		Alkalinity (Total), as CaCO ₃	Potentiometric Titration	mg/L	APHA 2320 B	100 ml	1 Day
	P2	Alkalinity (Total), as HCO ₃	Titration	mg/L	IS 3025 (Part-23)-1983	100 ml	1 Day
	P	Alkalinity (as Phenolphthaleine Alkalinity / P)	Titration	mg/L	IS - 3025(23)-1986	250 ml	On-site / 1 Day
	P	Ammonia (NH ₄)	Distillation / Titration	mg/L	IS 3025 (Part-34)-1988	250 ml	2 Days
		Ammonical Nitrogen	(See Nitrogen Ammonia)				
	P	Anionic Surface Active Ager	UV-Vis Spectrophotomete	mg/L	IS 13428 (Annexure-K)	1000 ml	2 Days

	Anions Scan 1 (F ⁻ , Cl ⁻ , Br ⁻ , NO ₃ ⁻ , NO ₂ ⁻ , PO ₄ ³⁻ , SO ₄ ²⁻)	Ion Chromatograph	mg/L	APHA 4110	250 ml	2 Days
P	Bicarbonates, as CaCO ₃	Titration	mg/L	IS 3025 (Part-51)-2001	100 ml	1 Day
P	Biochemical Oxygen Demand (BOD)	3-Day BOD Test , 5-Day BOD Test	mg/L	APHA 5210 B / IS 3025 (Part-44)-1993	500 ml	6 Days
	Bromate	Ion Chromatograph - Post Col. Reactor	mg/L	EPA 300.1	250 ml	4 Days
	Bromide, as Br ⁻	Ion Chromatograph	mg/L	APHA 4110	100 ml	2 Days
	Bromide, as Br ⁻	Phenol Red Colorimetric Method	mg/L	APHA 4500 Br- B	250 ml	2 Days
P	Carbon Dioxide, Free	Titrimetric Method For Free Carbon Dioxide	mg/L	APHA 4500 CO ₂ C / 43 of	250 ml	1 Day
	Carbon Dioxide, Total	Carbon Dioxide & Forms of Alkalinity by Calculation	mg/L	APHA 4500 CO ₂ D	250 ml	2 Days
P	Carbonates, as CaCO ₃		mg/L	IS 3025 (Part-51) -2001	250 ml	1 Day
P	Chemical Oxygen Demand (COD)	Open Reflux Method	mg/L	APHA 5220 B / IS - 2488 (Part-4)-1976	100 ml	3 Days
	Chemical Oxygen Demand (COD	Closed Reflux, Titrimetric Method	mg/L	APHA 5220 C	100 ml	3 Days
	Chemical Oxygen Demand (COD	Closed Reflux, Colorimetric Method	mg/L	APHA 5220 D	100 ml	3 Days
	Chloride, as Cl ⁻	Ion Chromatograph	mg/L	APHA 4110	100 ml	2 Days
P	Chloride, as Cl ⁻	Argentometric Method	mg/L	APHA 4500 Cl- B / IS - 3025 (Part-32)-1988	250 ml	1 Day
	Chloride, as Cl ⁻	Mercuric Nitrate Method	mg/L	APHA 4500 Cl- C	250 ml	1 Day
	Chloride, as Cl ⁻	Potentiometric Method	mg/L	APHA 4500 Cl- D	250 ml	1 Day
P	Chlorine, Residual, as Cl ₂	Iodometric Method I	mg/L	APHA 4500 Cl B / IS - 3025 (Part 26) - 1986	250 ml	1 Day
P	Chlorine, Residual, as Cl ₂	Spectrophotometric Method	mg/L	IS - 3025 (Part 26) - 1986	250 ml	1 Day
	Chlorine, Residual, as Cl ₂	Iodometric Method I	mg/L	APHA 4500 Cl C	250 ml	1 Day
	Chlorine, Residual, as Cl ₂	Amperometric Titration Method	mg/L	APHA 4500 Cl D	250 ml	1 Day
	Chlorine, Residual, as Cl ₂	Low Level Amperometric Titration Method	mg/L	APHA 4500 Cl E	250 ml	1 Day
	Chlorine, Residual, as Cl ₂	DPD Ferrous Titrimetric Method	mg/L	APHA 4500 Cl F	250 ml	1 Day
	Chlorine, Residual, as Cl ₂	DPD Colorimetric Method	mg/L	APHA 4500 Cl G	250 ml	1 Day
	Chlorine, Residual, as Cl ₂	DPD Colorimetric Method	mg/L	APHA 4500 Cl G	250 ml	1 Day
	Chlorine, Monochloramine, as Cl ₂	Spectrophotometric Method	mg/L	IS - 3025 (Part 26) - 1986	250 ml	1 Day
	Chlorine, Dichloramine, as Cl ₂	Spectrophotometric Method	mg/L	IS - 3025 (Part 26) - 1986	250 ml	1 Day
P	Chlorine Dioxide, as ClO ₂	Iodometric Method	mg/L	APHA 4500 ClO ₂ B	250 ml	1 Day

		Chlorine Dioxide, as ClO ₂	Amperometric Method (Free Available Chlorine, Chloramine, Chlorite, ClO ₂)	mg/L	APHA 4500 ClO ₂ C	500 ml	1 Day
		Chlorine Dioxide, as ClO ₂	DPD Method (Free Available Chlorine, Monochloramine, Dichloramine, Total Available Chlorine)	mg/L	APHA 4500 ClO ₂ D	500 ml	1 Day
		Chlorine Dioxide, as ClO ₂	Amperometric Method II (Chlorite, Chlorate, Chlorine Dioxide, Chlorine)	mg/L	APHA 4500 ClO ₂ E	500 ml	1 Day
		Cyanide, as CN ⁻	Total Cyanide after distillation	mg/L	APHA 4500 CN- C	500 ml	2 Days
		Cyanide, as CN ⁻	Titrimetric Method	mg/L	APHA 4500 CN- D	500 ml	2 Days
		Cyanide, as CN ⁻	Colorimetric Method	mg/L	APHA 4500 CN- E	500 ml	2 Days
		Cyanide, as CN ⁻	Cyanides Amenable to Chlorination after Distillation	mg/L	APHA 4500 CN- G	500 ml	2 Days
		Cyanide, as CN ⁻	Cyanides Amenable to Chlorination without Distillation	mg/L	APHA 4500 CN- H	500 ml	2 Days
		Cyanide, as CN ⁻	Weak Acid Dissociable Cyanide	mg/L	APHA 4500 CN- I	500 ml	2 Days
		Cyanide, as CN ⁻	Cyanogen Chlorides	mg/L	APHA 4500 CN- J	500 ml	2 Days
		Cyanide, as CN ⁻	Spot Test for Screening	Qualitative	APHA 4500 CN- K	100 ml	2 Days
	P1	Cyanide, as CN ⁻	Semi-Quantitative	mg/L	Merck	100 ml	2 Days
	P2 (required if CN is +ve in P1)	Cyanide, as CN ⁻	Total Cyanide after distillation	mg/L	IS-3025 (Part 27) - 1986	500 ml	2 Days
		Cyanide, as Cyanates, CNO ⁻	Cyanates (Ammonia Selective Electrode)	mg/L	APHA 4500 CN- L	500 ml	0
		Cyanide, as Thiocyanate, SCN ⁻	Thiocyanate (Spectrophotometric)	mg/L	APHA 4500 CN- M	500 ml	2 Days
	P	Dissolved Oxygen	<i>Titration (Same as Oxygen, Dissolved)</i>				
	P	Electrical Conductivity	By EC Meter	µmho/cm	IS - 3025 (Part-14)-1984,A	100 ml	1 Day
	P	Equivalent Mineral Acidity	By Calculator	mg/L	IS - 3025 (Part-14,23)-1984	250 ml	1 Day
		Fluoride, as F ⁻	Ion Chromatograph	mg/L	APHA 4110	100 ml	2 Days
		Fluoride, as F ⁻	Ion-Selective Electrode Method	mg/L	APHA 4500 F- C	100 ml	2 Days
		Fluoride, as F ⁻	SPADNS Method	mg/L	APHA 4500 F- D	250 ml	2 Days
		Free CO ₂	<i>See Carbon Dioxide, Free</i>				
	P	Free Mineral Acidity	From Alkalinity	mg/L	IS - 3025 (Part-23,11)-	150 ml	1 Day
	P	Hardness, as CaCO ₃	EDTA Titrimetric Method	mg/L	APHA 2340 C / IS - 3025 (Part-21)-1983	100 ml	1 Day
		Hardness, as CaCO ₃	Hardness by calculator	mg/L	APHA 2340 B	100 ml	1 Day
	P	Hydroxide, as CaCO ₃	Titration (From Alkalinity)	mg/L	IS 3025 (Part-23)-1986	100 ml	1 Day
	P	Inorganic Matter	Gravimetric (Same as TDS)	mg/L	IS 3025 (Part-16)-1984	500 ml	1 Day
	P	Iodide, I ⁻	UV-Spectrophotometric	mg/L	IS - 3025(33)-1988	100 ml	1 Day
		Iodide, I	Leuco Crystal Violet Method,	mg/L	APHA 4500 I- B	250 ml	2 Days

		Iodine, as I ₂	Amperometric Titration Method	mg/L	APHA 4500 I C	250 ml	2 Days
		Iodine, as I ₂	Leuco Crystal Violet Method	mg/L	APHA 4500 I B	250 ml	2 Days
	P	Mineral Oil	Gravimetric	mg/L	IS - 3025(39)-1991	1000 ml	2 Days
		Mineral Oil	Extractables - FTIR	mg/L	IS - 3025(39)-1991	1000 ml	2 Days
		Nitrate, as NO ₃ ⁻	Ion Chromatograph	mg/L	APHA 4110	100 ml	2 Days
	P2	Nitrate, as NO ₃ ⁻	Spectrophotometric Method / Same as Nitrogen Nitrite	mg/L	APHA 4500 NO ₃ ⁻ B	250 ml	2 Days
	P1	Nitrate, as NO ₃ ⁻	Chromotropic Method	mg/L	IS - 3025(34)-1988	250 ml	1 Day
		Nitrite, as NO ₂ ⁻	Ion Chromatograph	mg/L	APHA 4110	100 ml	2 Days
	P	Nitrite, as NO ₂ ⁻	Spectrophotometric Method (Same as Nitrogen Nitrate)	mg/L	APHA 4500 NO ₂ ⁻ B / IS - 3025(34)-1988	250 ml	2 Days
	P	Nitrogen, as N	Organic Nitrogen / Kjeldhal Nitrogen	mg/L	IS - 3025(34)-1988	250 ml	2 Days
		Nitrogen, as N	Persulfate Method	mg/L	APHA 4500 N C	250 ml	2 Days
	P	Nitrogen Ammonia, as NH ₃ N	Titrimetric Method	mg/L	APHA 4500 NH ₃ C / IS 3025 (Part 34) - 1988	250 ml	1 Day
		Nitrogen Ammonia, as NH ₃ N	Phenate Method	mg/L	APHA 4500 NH ₃ F	250 ml	1 Day
	P	Nitrogen Nitrate, as NO ₃ ⁻ N	<i>Same as Nitrate, IS Method</i>				
		Nitrogen Nitrate, as NO ₃ ⁻ N	Ultraviolet Spectrophotometric Screening Method	mg/L	APHA 4500 NO ₃ ⁻ B	250 ml	2 Days
	P	Nitrogen Nitrite, as NO ₂ ⁻ N	Colorimetric Method	mg/L	APHA 4500 NO ₂ ⁻ B / IS - 3025(34)-1988	250 ml	2 Days
	P	Nitrogen, Organic	Macro-Kjeldahl Method	mg/L	APHA 4500 N ORG B	1000 ml	2 Days
	P	Oil and Grease	<i>Same as Mineral Oil (IS Method - Gravimetric)</i>				
		Oil and Grease	Soxhelt Extraction Method	mg/L	APHA 5520 D	1000 ml	2 Days
		Oil and Grease	Partition Infrared Method	mg/L	APHA 5520 C / IS - 3025(34)-1988	1000 ml	2 Days
		Oil and Grease	Partition Gravimetric Method	mg/L	APHA 5520 B	1000 ml	2 Days
		Oil and Grease	Hydrocarbons	mg/L	APHA 5520 F	1000 ml	7 Days
	P	Organic Matter	Gravimetric Method	mg/L	IS: 3025 (Part 18) - 1984	100 ml	2 days
	P	Oxidant Demand, Chlorine Demand	Comparison Method	mg/L	APHA 2350 B / IS: 3035 (Part 25) - 1986	1500 ml	3 Days
		Oxidant Demand, Chlorine Dioxide Demand	Comparison Method	mg/L	APHA 2350 C	1500 ml	3 Days
	P1	Oxygen, Dissolved, as DO	Iodometric Method	mg/L	APHA 4500 O B / IS - 3025 (Part-38)-1989	300 ml	On-site / 1 Day
	P2	Oxygen, Dissolved, as DO	Azide Modification	mg/L	APHA 4500 O C / IS - 3025 (Part-38)-1989	300 ml	On-site / 1 Day
		Oxygen, Dissolved, as DC	Permanganate Modification	mg/L	APHA 4500 O D	500 ml	On-site / 1 Day
		Oxygen, Dissolved, as DC	Copper Sulfate-Sulfamic Acid	mg/L	APHA 4500 O F	500 ml	On-site / 1 Day
		Ozone, as O ₃	Indigo Colorimetric Method	mg/L	APHA 4500 O3 B	500 ml	On-site / 1 Day
	P	Ozone, as O ₃	Titration Method	mg/L	IS-3025 (Part 36) - 1987	1000 ml	On-site / 1 Day

	P	Phenolic Compounds, Total / Phenols	UV-Vis Spectrophotometer	mg/L	APHA 5530 D / IS - 3025(43)-1992	500 ml	2 Days
		Phenolic Compounds, Total / Phenol	Chloroform Extraction Method, U\	mg/L	APHA 5530 C	1000 ml	3 Days
		Phenolic Compounds / Phenols, Individual Estimation	GC-FID/MS	mg/L	APHA, IS	1000 ml	3 Days
		Phenolphthalein Alkalinity	See Alkalinity (Phenolphthalein Alkalinity)				
	P	Phosphorus, as P	Vanadomolybdophosphoric Acid	mg/L	APHA 4500 P C / IS-3025 (Parat 31) 1988	250 ml, 100	2 Days
		Phosphorus, as P	Stannous Chloride Method	mg/L	APHA 4500 P D	250 ml	2 Days
		Phosphorus, as P	Ascorbic Acid Method	mg/L	APHA 4500 P E	250 ml	2 Days
	P	Potassium Permanganate, as KMNQ	Spectrophotometric Method	mg/L	APHA 4500 KMNO ₄ B	250 ml	1 Day
		Residual Free Chlorine	(see Chlorine, Residual)				
	P	Silica (Reactive), as SiO ₂	Molybdosilicate Method	mg/L	APHA 4500SiO ₂ C / IS - 3025(35)-1988	250 ml	2 Days
		Silica (Reactive), as SiO ₂	Heteropoly Blue Method	mg/L	APHA 4500SiO ₂ D / IS - 3025 (Part 35) - 1988	250 ml	2 Days
	P	Silica, Total - as SiO ₂	Gravimetric	mg/L	IS - 3025(35)-1988	250 ml	2 Days
		Sodium Absorption Ratio	(For Waste Disposal for Ca, Mg, Na) - Flame Photometer	mg/Kg	Lab Manual for Agricultural Chemistry	250 grams	3 days
	P	Solids, Fixed & Volatile Solids	Gravimetric - 550 Deg C	mg/L	APHA 2540 E / IS 3025 (Part 18) - 1984	1000 ml	3 Days
		Solids, Settleable Solid:	Gravimetric - 105 Deg C	mg/L	APHA 2540 F(b)	1000 ml	1 Day
		Solids, Total , Fixed, and Volatile Solids (If Solids & Semisolids)	2450 C+D+E	mg/L	APHA 2540 G	1000 ml	3 Days
	P	Solids, Total Dissolved Solids	Gravimetric - 185 Deg C	mg/L	APHA 2540 C / IS 3025 (Part-16)-1984	500 ml	1 Day
	P	Solids, Total Solids	Gravimetric - 105 Deg C	mg/L	APHA 2540 B / IS: 3025 (Part 16) - 1984	1000 ml	1 Day
	P	Solids, Total Suspended Solids	Gravimetric - 105 Deg C	mg/L	APHA 2540 D / IS 3025 (Part-17)-1984	100 ml	1 Day
		Sulfate, as SO ₄ ²⁻	Ion Chromatograph	mg/L	APHA 4110	100 ml	2 Days
	P2	Sulfate, as SO ₄ ²⁻	Gravimetric Method with Ignition Residue	mg/L	APHA 4500 SO ₄ ²⁻ C / IS: 3025 (Part 24) - 1986	250 ml	2 Days
		Sulfate, as SO ₄ ²⁻	Gravimetric Method with Drying Residue	mg/L	APHA 4500 SO ₄ ²⁻ D	250 ml	2 Days
	P1	Sulfate, as SO ₄ ²⁻	Turbidimetric Method	mg/L	APHA 4500 SO ₄ ²⁻ E / IS: 3025 (Part 24) - 1986	250 ml	2 Days
	P	Sulfide, as S ²⁻	Methylene Blue Method	mg/L	APHA 4500 S ₂ - D / IS: 3025 (Part 29) - 1986	250 ml	2 Days

		Sulfide, as S ²⁻	Iodometric Method	mg/L	APHA 4500 S ₂ ⁻ F / IS: 3025 (Part 29) - 1986	250 ml	2 Days
		Sulfide, as S ²⁻	Ion Chromatograph	mg/L	APHA 4110	100 ml	2 Days
		Sulfide, as S ²⁻	Distillation , Methylene Blue	mg/L	APHA 4500 S ₂ ⁻ I	250 ml	
		Sulfite, as SO ₃ ²⁻	Iodometric Method	mg/L	APHA 4500 SO ₃ ²⁻ B / IS: 3025 (Part 28) - 1986	250 ml	
		Sulfite, as SO ₃ ²⁻	Ion Chromatograph	mg/L	APHA 4110	100 ml	2 Days
		Surfactants	Nonionic Surfactants as CTAS	mg/L	APHA 5540 D	250 ml	2 Days (Check)
	P	Surfactants	<i>See also Anionic Surface Active Agent</i>				
		Tannin and Lignir	Colorimetric Methoc	mg/L	APHA 5550 B	250 ml	2 Days (Check)
		Total Hardness (CaCO ₃)	<i>(see Hardness)</i>				
		Total Organic Carbon (TOC)	TOC Analyzer (Automated	mg/L	APHA 5310 / USP	500 ml	1 Day
	C. Elements						2 - 4 days
		Aluminium, Al	Eriochrome Cyanine R Methoc	mg/L	APHA 3500 A1 B	250 ml	
		Aluminum, Al	FAAS	mg/L	IS / APHA 3111D / E	100 ml	
		Aluminum, Al	GFAAS	mg/L	IS / APHA 3113B	100 ml	
		Antimony, Sb	GFAAS	mg/L	IS / APHA 3113B	100 ml	
	(Toxic)	Arsenic (Arsenite, containing Trivalent Arsenic + Arsenate)	Silver Diethyldithiocarbamate Method	mg/L	APHA 3500 As B	100 ml	
		Arsenic	IS / GFAAS	mg/L	IS / APHA 3113B	100 ml	
		Arsenic	IS / HGAAS	mg/L	IS / APHA 3114C	100 ml	
		Barium	FAAS	mg/L	IS / APHA 3111D	100 ml	
		Barium	GFAAS	mg/L	IS / APHA 3113D / E	100 ml	
		Beryllium	FAAS	mg/L	IS / APHA 3111D	100 ml	
		Beryllium	GFAAS	mg/L	IS / APHA 3111D / E	100 ml	
		Boron, B	Carmin Methoc	mg/L	APHA 4500 B C	100 ml	
		Boron, B	Curcumin Methoc	mg/L	APHA 4500 B B	100 ml	
		Boron, B	UV Spectrophotometric	mg/L	IS - 13428	100 ml	
		Boron, B	FAAS	mg/L	SOP	100 ml	
		Cadmium, Cd	FAAS	mg/L	IS, APHA3111B/C	100 ml	
		Cadmium, Cd	GFAAS	mg/L	IS / APHA 3113B	100 ml	
		Calcium, Ca	FAAS	mg/L	IS / APHA 3111B / D / E	100 ml	
		Calcium, Ca	EDTA Titrimetric Methoc	mg/L	IS / APHA 3500 Ca B	100 ml	
		Calcium, Ca	GFAAS	mg/L	SOP	100 ml	
	(Toxic)	Chromium, Cr	FAAS	mg/L	IS, APHA3111B/C	100 ml	
		Chromium, Cr	GFAAS	mg/L	IS, APHA 3113B	100 ml	

		Chromium, Tota	Colorimetric Methoc	mg/L	APHA 3500 Cr B	250 ml	
		Chromium 3+, Trivalen	Colorimetric Methoc	mg/L	APHA 3500 Cr B	250 ml	
		Chromium 6+, Hexavalen	Colorimetric Methoc	mg/L	APHA 3500 Cr B	250 ml	
		Cobalt, Cc	FAAS	mg/L	IS, APHA3111B/C	100 ml	
		Cobalt, Cc	GFAAS	mg/L	IS, APHA3113B	100 ml	
		Copper, Cu	FAAS	mg/L	IS, APHA3111B/C	100 ml	
		Copper, Cu	GFAAS	mg/L	IS, APHA3113B	100 ml	
		Copper (Cupric + Cuprous)	Neocuproine Method	mg/L	3500 Cu B	250 ml	
		Gold, Au	FAAS	mg/L	IS, APHA3111B	100 ml	
		Gold, Au	GFAAS	mg/L	IS, APHA3113B	100 ml	
		Iron, Fe	FAAS	mg/L	IS, APHA3111B/C	100 ml	
		Iron, Fe	GFAAS	mg/L	IS, APHA3113B	100 ml	
		Iron (Ferrous+Ferric)	Phenanthroline Colorimetric Method	mg/L	APHA 3500 Fe B	250 ml	
	(Toxic)	Lead, Pb	FAAS	mg/L	IS, APHA3111B/C	100 ml	
		Lead, Pb	GFAAS	mg/L	IS, APHA3113B	100 ml	
		Lead, Pb	Dithizone Methoc	mg/L	APHA 3500 POB	250 ml	
		Lithium, Li	Flame Emission Photometric Method	mg/L	APHA 3500 Li B	100 ml	
		Magnesium, as CaCO ₃	Calculation Methoc	mg/L	APHA 3500 Mg B	100 ml	
		Magnesium, Mg	FAAS	mg/L	IS, APHA3111B	100 ml	
		Magnesium, Mg	GFAAS	mg/L		100 ml	
		Manganese, Mr	Persulfate Colorimetric Methoc	mg/L	APHA 3500 Mn B	250 ml	
		Manganese, Mr	FAAS	mg/L	IS, APHA3111B/C	100 ml	
		Manganese, Mr	GFAAS	mg/L	IS, APHA3113B	100 ml	
	(Toxic)	Mercury, Hg	FAAS	mg/L	IS, APHA 3111 D/E	100 ml	
		Mercury, Hg	CVAAS	mg/L	IS, APHA 3112B	100 ml	
		Molybdenum, Mc	FAAS	mg/L	IS / APHA 3111D/E	100 ml	
		Molybdenum, Mc	GFAAS	mg/L	IS, APHA3113B	100 ml	
		Nickel, Ni	FAAS	mg/L	IS, APHA3111B/C	100 ml	
		Nickel, Ni	GFAAS	mg/L	IS, APHA3113B	100 ml	
		Palladium, Pc	FAAS	mg/L	IS, APHA3111B	100 ml	
		Palladium, Pc	GFAAS	mg/L		100 ml	
		Potassium, K	FAAS	mg/L	IS, APHA3111B	100 ml	
		Potassium, K	Flame Photometric Methoc	mg/L	APHA 3500 K B	100 ml	
		Potassium, K	GFAAS	mg/L		100 ml	
	(Toxic in above MC)	Selenium (Organo-Selenium)	Determination of Non-Volatile Organic Selenium Compounds	mg/L	APHA 3500 Se E	1000 ml	
		Selenium, Se	Determination of Volatile Seleniur	mg/L	APHA 3500 Se D	250 ml	
		Selenium, Se	Colorimetric Methoc	mg/L	APHA 3500 Se C	250 ml	
		Selenium, Se	HGAAS	mg/L	IS, APHA 3114 B/C	100 ml	
		Selenium, Se	GFAAS	mg/L	IS / APHA 3113B	100 ml	
		Selenium, Se	Visual	mg/L	IS-3025	1000 ml	
		Silicon, Si	FAAS	mg/L	APHA 3111D	100 ml	

		Silicon, Si	GFAAS	mg/L	SOP	100 ml	
		Silver, Ag	FAAS	mg/L	IS, APHA 3111B/C	100 ml	
		Silver, Ag	GFAAS	mg/L	IS / APHA 3113B	100 ml	
		Sodium, Na	Flame Emission Photometric Method	mg/L	APHA 3500 Na B	250 ml	
		Sodium, Na	Flame Photomete	mg/L	IS 3025 (Part-45)-1993	250 ml	
		Sodium, Na	FAAS	mg/L	IS, APHA 3111B	100 ml	
		Sodium, Na	GFAAS	mg/L	SOP	100 ml	
		Tin, Sn	FAAS	mg/L	IS, APHA3111B	100 ml	
		Tin, Sn	GFAAS	mg/L	IS, APHA3111D	100 ml	
		Titanium, Ti	FAAS	mg/L	IS / APHA 3111D/E	100 ml	
		Titanium, Ti	GFAAS	mg/L	IS / APHA 3113B	100 ml	
	(Radioactive)	Uranium, U	?	Bq/L	APHA 3500 U	100 ml	
		Zinc, Zn	Zincon Methoc	mg/L	APHA 3500 Zn B	100 ml	
		Zinc, Zn	FAAS	mg/L	IS, APHA 3111B/C	100 ml	
	(Radioactive)	Alpha – Beta Emitters	Scintillation Counte	Bq/L	BARC (outsourced)	2500 ml	Outsourced
	PAH	PAH – Drinking Water	GC-FID/MS	mg/L	APHA,	2000 ml	4 Days
		PAH – Waste Water	GC-FID/MS	mg/L	APHA	2000 ml	4 Days
		Acenaphthene					
		Acenaphthylene					
		Anthracene					
		1,2- Benzanthracene					
		Benzo (A) Pyrene					
		Benzo (B) Fluoranthene					
		Benzo (G,H, I) Pyrelene					
		Benzo (K) Fluoranthene					
		Chrysene					
		Dibenz (A, H) Anthracene					
		Fluroanthene					
		Fluorene					
		Indeno(1,2,3-CD) Pyrene					
		Napthalene					
		Phenanthrene					
		Pyrene					
	PCBs	PCBs – Drinking Water	GC-ECD/MS	mg/L	APHA	2000 ml	8 Days
		PCBs – Waste Water	GC-ECD/MS	mg/L	APHA	2000 ml	8 Days
		2,4.- Dichlorobiphenyl					
		2,2',5 -Trichlorobiphenyl					
		2,4,4'-Trchlorobiphenyl					
		2,2',3,5'- Tetrachlorobiphenyl					

		2,2',5,5'- Tetrachlorobiphenyl				
		2,3',4,4'-Tetrachlorobiphenyl				
		3,3',4,4'- Tetra chlorobiphenyl				
		2,2',4',5,5'- Pentachlorobiphenyl				
		2,3,3',4,4'- Pentachlorobiphenyl				
		2,3,4,4',5 - Pentachlorobiphenyl				
		3,3',4,4',5- Pentachlorobiphenyl				
		2,2',3,3',4,4'- Hexachlorobiphenyl				
		2,2',3,4,4',5- Hexachlorobiphenyl				
		2,2',4,4',5,5'-Hexachlorobiphenyl				
		2,2',3,3',4,4',5- Heptachlorobiphenyl				
		2,2',3,4,4',5,5'- Heptachlorobiphenyl				
		2,2',3,4,5,5',6 - Heptachlorobiphenyl				
		2,2',3,3',4,4',5,6- Octachlorobiphenyl				
		2,2',3,3',4,5,6,6' - Octachlorobiphenyl				
		2,2',3,3',4,4',5,5',6 - Nonachlorobiphenyl				
		2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl				
	D. Microbiological					
		Aerobic microbial plate count – 20 Deg C	Pour Plate Methoc	IS: 5402	100 ml	4 Days
		Aerobic microbial plate count – 37 Deg C	Pour Plate Methoc	IS: 5402	100 ml	2 Days
		Aeromonas	Membrane Filter Methoc	APHA 9260 L	200 ml	5 Days
		Algae	Culture Methoc	APHA 8110	250 ml	5 Days
	Pathogen	Campylobacter Jejuni	Culture Methoc	APHA 9260 G	250 ml	8 Days
		Coliforms bacteriæ	Culture Methoc	APHA 9225	250 ml	4 Days
		Coliforms, Total	Enumeration Technique	IS: 1622	50 ml	6 Days
		E. coli	Enumeration Technique	IS: 1622	50 ml	6 Days
	Pathogen	E. coli	Membrane Filter Methoc	IS: 5887	250 ml	6 Days
		Faecal streptococci (Streptococci Index)	Enumeration Technique	IS: 5887 - Part 2	250 ml	8 Days
	Pathogen	Faecal streptococci	Membrane Filter Methoc	IS: 5887 - Part 2	250 ml	8 Days
		Enterococcus	Membrane Filter Technique	APHA 9230 C	250 ml	5 Days
		Enterococcus	Multi-Tube Technique	APHA 9230 B	150 ml	5 Days
		Fungi	Membrane Filter Methoc	APHA 9610 D	250 ml	5 Days
		Fungi	Pour Plate Methoc	APHA 9610 B	100 ml	8 Days
		Fungi	Spread Plate Methoc	APHA 9610 C	100 ml	8 Days
		Heterotrophic Plate Count	Pour Plate Methoc	APHA 9215 B	100 ml	8 Days
		Heterotrophic Plate Count	Spread Plate Methoc	APHA 9215 C	100 ml	8 Days
		Heterotrophic Plate Count	Membrane Filter Methoc	APHA 9215 D	100 ml	8 Days
		Iron Bacteriæ	Membrane Filter Methoc	APHA 9240 B	100 ml	8 Days
	Pathogen	Legionellæ	Screening			
	Pathogen	Pseudomonas aeruginosæ	Enumeration Technique			
		Pseudomonas aeruginosæ	Membrane Filter Methoc	IS: 13428 Annex D	250 ml	6 Days

	Pathogen	Salmonella spp	Membrane Filter Method		IS: 5887 - Part 3	250 ml	8 Days
	Pathogen	Shigella	Membrane Filter Method		IS: 5887 - Part 7	250 ml	8 Days
	Pathogen	Staphylococcus aureus	Membrane Filter Method		IS: 5887 - Part 2	250 ml	6 Days
		Staphylococcus aureus	Enumeration Technique		IS: 5887 - Part 2	250 ml	6 Days
		Sulfur Bacteria	Direct Microscopic Examination		APHA 9240 C	250 ml	4 Days
		Sulfur Bacteria	Culture Method		APHA 9240 C	250 ml	10 Days
		Sulphite reducing anaerobe:	50 Sample:50 Media Method		IS: 13428 Annex C	50 ml	3 Days
		Total Bacterial Count					3 Days
	Pathogen	Vibrio cholerae	Membrane Filter Method		IS: 5887 - Part 5	250 ml	8 Days
	Pathogen	Vibrio parahaemolyticus	Membrane Filter Method		IS: 5887 - Part 5	250 ml	8 Days
		Yeast	Culture Method		APHA 9610 E	100 ml	4 Days
		Yeasts and Mould	Membrane Filter Method		IS: 5403	250 ml	6 Days
	Pathogen	Yersinia enterocolitica	Membrane Filter Method		APHA 9260 K	250 ml	8 Days
	<i>For all APHA Methods, prior 15 days notice is required.</i>						
	E. Pesticide Residues						
		Organochlorines Scar					8 Days
		Organophosphorous Scar					
		Organonitrogen Scar					
		Carbamates Scar					
		Dithiocarbamates Scar					
		Organosulphur					
		Synthetic Pyrethroids					
		Organic acids					