

TABLE 1060:I. SUMMARY OF SPECIAL SAMPLING OR HANDLING REQUIREMENTS\*

Determination	Container†	Minimum Sample Size mL	Sample Type‡	Preservation§	Maximum Storage Recommended/Regulatory
Acidity	P, G(B)	100	g	Refrigerate	24 h/14 d
Alkalinity	P, G	200	g	Refrigerate	24 h/14 d
BOD	P, G	1000	g	Refrigerate	6 h/48 h
Boron	P	100	g, c	None required	28 d/6 months
Bromide	P, G	100	g, c	None required	28 d/28 d
Carbon, organic, total	G	100	g, c	Analyze immediately; or refrigerate and add H <sub>3</sub> PO <sub>4</sub> or H <sub>2</sub> SO <sub>4</sub> to pH<2	7 d/28 d
Carbon dioxide	P, G	100	g	Analyze immediately	stat/N.S.
COD	P, G	100	g, c	Analyze as soon as possible, or add H <sub>2</sub> SO <sub>4</sub> to pH<2; refrigerate	7 d/28 d
Chloride	P, G	50	g, c	None required	28 d
Chlorine, residual	P, G	500	g	Analyze immediately	0.5 h/stat
Chlorine dioxide	P, G	500	g	Analyze immediately	0.5 h/N.S.
Chlorophyll	P, G	500	g, c	30 d in dark	30 d/N.S.
Color	P, G	500	g, c	Refrigerate	48 h/48 h
Conductivity	P, G	500	g, c	Refrigerate	28 d/28 d
Cyanide:					
Total	P, G	500	g, c	Add NaOH to pH>12, refrigerate in dark#	24 h/14 d; 24 h if sulfide present
Amenable to chlorination	P, G	500	g, c	Add 100 mg Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> /L	stat/14 d; 24 h if sulfide present
Fluoride	P	300	g, c	None required	28 d/28 d
Hardness	P, G	100	g, c	Add HNO <sub>3</sub> to pH<2	6 months/6 months
Iodine	P, G	500	g, c	Analyze immediately	0.5 h/N.S.
Metals, general	P(A), G(A)	500	g	For dissolved metals filter immediately, add HNO <sub>3</sub> to pH<2	6 months/6 months
Chromium VI	P(A), G(A)	300	g	Refrigerate	24 h/24 h
Copper by colorimetry*					
Mercury	P(A), G(A)	500	g, c	Add HNO <sub>3</sub> to pH<2, 4°C, refrigerate	28 d/28 d
Nitrogen:					
Ammonia	P, G	500	g, c	Analyze as soon as possible or add H <sub>2</sub> SO <sub>4</sub> to pH<2, refrigerate	7 d/28 d
Nitrate	P, G	100	g, c	Analyze as soon as possible or refrigerate	48 h/48 h (28 d for chlorinated samples)
Nitrate + nitrite	P, G	200	g, c	Add H <sub>2</sub> SO <sub>4</sub> to pH<2, refrigerate	none/28 d
Nitrite	P, G	100	g, c	Analyze as soon as possible or refrigerate	none/48 h
Organic, Kjeldahl*	P, G	500	g, c	Refrigerate; add H <sub>2</sub> SO <sub>4</sub> to pH<2	7 d/28 d
Odor	G	500	g	Analyze as soon as possible; refrigerate	6 h/N.S.
Oil and grease	G, wide-mouth calibrated	1000	g, c	Add HCl to pH<2, refrigerate	28 d/28 d
Organic compounds:					
MBAS	P, G	250	g, c	Refrigerate	48 h
Pesticides*	G(S), TFE-lined cap	1000	g, c	Refrigerate; add 1000 mg ascorbic acid/L if residual chlorine present	7 d/7 d until extraction; 40 d after extraction
Phenols	P, G	500	g, c	Refrigerate, add H <sub>2</sub> SO <sub>4</sub> to pH<2	*/28 d
Purgeables* by purge and trap	G, TFE-lined cap	2×40	g	Refrigerate; add HCl to pH<2; add 1000 mg ascorbic acid/L if residual chlorine present	7 d/14 d
Oxygen, dissolved:					
Electrode Winkler	G, BOD bottle	300	g	Analyze immediately	0.5 h/stat
Ozone	G	1000	g	Titration may be delayed after acidification	8 h/8 h
pH	P, G	50	g	Analyze immediately	0.5 h/N.S.
Phosphate	G(A)	100	g	For dissolved phosphate filter immediately; refrigerate	2 h/stat
Salinity	G, wax seal	240	g	Analyze immediately or use wax seal	48 h/N.S.
Silica	P	200	g, c	Refrigerate, do not freeze	6 months/N.S.
Sludge digester gas	G, gas bottle	—	g	—	28 d/28 d
					N.S.