CHEMISTRY STABILITY TIMES

South West Water

* Preservation time from Laboratory sample preparation

DESCRIPTION OF ANALYSIS	MAXIMUM PRESERVATION TIME FROM SAMPLING UNTIL PREPARATION IN (DAYS)	MAXIMUM PRESERVATION TIME FROM SAMPLING UNTIL ANALYSIS * (DAYS)	METHOD REFERENCE
Biochemical Oxygen Demand 5 Day ATU (Filtered and toal) as mg/l O2 in Waste (by YSI -Ion-Selective)	n/a	3	BOD
Bromate (Total) as ug/l BrO3 in Water (by Ion Chromatography)	n/a	23	BROMATE
Chemical Oxygen Demand (Filtered and Total) as mg/l O2 in Waste (by Dr-Lange - Redox-Spectrophotometry)	n/a	1	COD
Colour (Filtered) as mg/l Pt/Co in Water (by Skalar - Continuous Segmented Flow-Colorimetric)	n/a	5	COLOUR
Cyanide (Uncomplexed Free) as ug/l CN in Water and Waste Waters (by Skalar - Continuous Segmented Flow-Colorimetric)	n/a	7	CYANIDE
Cyanide (Total) as ug/l CN in Water and Waste Water (by Skalar - Continuous Segmented Flow-Colorimetric)	n/a	14	CYANIDE
Cyanuric Acid (Total) as mg/l in Water/Waste (by Palin-Test)	n/a	1	CYANURIC ACID
Oxygen (Dissolved) as mg/l O2 in Waste/Env (by Winkler Method)	n/a	4	DISSOLVED OXYGEN
Chlorine (Free) Chlorine (Total) as mg/l Cl2 in Water by DPD Kit	n/a	1	DPD KIT
Fluoride (Dissolved and Total) as ug/l F in Water/Waste (by Radiometer - Ion-Selective)	n/a	30	FLUORIDE

DESCRIPTION OF ANALYSIS	MAX TIME FROM SAMPLING UNTIL PREPARATION IN DAYS (WHERE APPLICABLE)	STABILITY TIME FROM PREPARATION TO ANALYSIS IN DAYS	METHOD REFERENCE
Copper, Zinc, Lead, Cadmium, Chromium, nickel, boron (Total) as mg/kg Cu (Dry Weight) in Sludge (by Inductively Coupled Plasma - Optical Emission Spectrophotometry)	5	180*	METALS CATS WASTE SOILS SLUDGE
Copper, Zinc, Lead, Cadmium, Chromium, nickel, boron (Total) as mg/l Cu in Waste (by Inductively Coupled Plasma - Optical Emission Spectrophotometry)	1	180*	METALS CATS WASTE SOILS SLUDGE
Chromium, Nickel, Barium, Boron, Beryllium, Colbalt, Molybdenum, Silver, Tin, Titanium, uranium as ug/l Cr in Water (by Inductively Coupled Plasma - Mass Spec)	1	30*	METALS & CATS IN CLEAN WATER
Calcium, Magnesium, Potassium, Sodium, Aluminium, Iron, Manganese, Copper , Zinc, Lead, Cadmium, phosphorus, Sulphate, Vanadium, Antimony, Arsenic, Selenium , Mercury (Dissolved and total) as mg/l in Water (by Inductively Coupled Plasma - Mass Spec)	1	30*	METALS & CATS IN CLEAN WATER
Phosphorus, Sulphur, Calcium,Magnesium, Potassium, Sodium, Strontium, (Dissolved and Total) in Waste Water and Waters (by Inductively Coupled Plasma - Optical Emission Spectrophotometry)	1	30*	METALS CATS WASTE SOILS SLUDGE
Phosphorus, Sulphate, Calcium, Magnesium, Potassium (Dry Weight) in Sludge (by Inductively Coupled Plasma - Optical Emission Spectrophotometry)	5	30*	METALS CATS WASTE SOILS SLUDGE
, in Waste (by Inductively Coupled Plasma - Optical Emission Spectrophotometry)	1	30*	METALS CATS WASTE SOILS SLUDGE
Aluminium, Iron, Manganese, Barium, Beryllium, Colbalt, Molybedenum, Silver, Tin, Titanium, Vinadium (Total) as mg/kg Al (Dry Weight) in Sludge (by Inductively Coupled Plasma - Optical Emission Spectrophotometry)	5	30*	METALS CATS WASTE SOILS SLUDGE

DESCRIPTION OF ANALYSIS	MAX TIME FROM SAMPLING UNTIL PREPARATION IN DAYS (WHERE APPLICABLE)	STABILITY TIME FROM PREPARATION TO ANALYSIS IN DAYS	METHOD REFERENCE
Nitrogen (Total) Oxidised as mg/l NO3 Ammonium (Filtered, Total) as mg/l NH4 Nitrite (Total) as mg/l NO2 Phosphate (Ortho) as ug/l P Silicate Reactive (Dissolved) as mg/l SiO2 (by KONELAB60 - Discrete Analyser-Colorimetric)	n/a	1	NUTRIENTS IN CLEAN WATER
Nitrogen (Total) Oxidised as mg/l N in Nitrogen (Total) Oxidised Filtered as mg/l N Ammonia (Total) as mg/l N Ammonia (Total) as mg/l N Saline Ammonia (Water Extractable) as mg/kg N (Dry Weight) in Sludge Phosphate (Ortho) (Filtered) as mg/l P Waste medium level (by KONELAB60 - Discrete Analyser-Colorimetric)	n/a	1	NUTRIENTS IN WASTE WATER
Chloride (Total) as mg/l Cl in Waste, or mg/Kg Soil or Sludge (by KONELAB60 - Discrete Analyser-Colorimeteric)	n/a	30	NUTRIENTS IN WASTE WATER NUTRIENTS IN CLEAN WATER

DESCRIPTION OF ANALYSIS	MAX TIME FROM SAMPLING UNTIL PREPARATION IN DAYS (WHERE APPLICABLE)	MAXIMUM PRESERVATION TIME FROM SAMPLING UNTIL ANALYSIS * (DAYS)	METHOD REFERENCE
pH as pH Units in Waste or Waste (by pH Electrode)	n/a	2	PH COND ALK WASTE and PH COND ALK WATERS
pH as pH Units in Sludge (by pH Electrode)	n/a	5	PH IN SLUDGE
Conductivity (Total) at 20`C as uS/cm in Waste (by SAC 80 - Electro Conductivity)	n/a	2	PH COND ALK WASTE
Conductivity (Total) at 20`C as mS/cm Saline (by Electro Conductivity)	n/a	2	SALINITY
Alkalinity (Total) at pH 4.5 Alkalinity at pH 8.3 as mg/l HCO3 in Waste (by SAC 80 - End-Point-Titration)	n/a	14	PH COND ALK WASTE
Salinity as Practical Salinity Units Saline (by WTW - Electro Conductivity)	n/a	2	SALINITY
Conductivity (Total) at 20`C as uS/cm in Water (by Electro Conductivity)	n/a	2	PH COND ALK WATERS

DESCRIPTION OF ANALYSIS	MAX TIME FROM SAMPLING UNTIL PREPARATION IN DAYS (WHERE APPLICABLE)	MAXIMUM PRESERVATION TIME FROM SAMPLING UNTIL ANALYSIS * (DAYS)	METHOD REFERENCE
Dry Matter (Total) as % in Soil/Sludge (by Dry Wt)	n/a	5	DRY AND VOLATILE MATTER
Volatile Matter (Total) as % in Soil/Sludge (by Dry Wt)	5	No stability time applied as stability assessed via Dry Matter	DRY AND VOLATILE MATTER
Gross Alpha (Total) as Bq/l in Water (by Gas Proportional Counting)	7	30*	GROSS ALPHA AND BETA
Gross Beta (Total) as Bq/l in Water (by Gas Proportional Counting)	7	30*	GROSS ALPHA AND BETA
Tritium (Total) as Bq/l H(3) in Water (by Liquid Scintillation Counting)	n/a	90	TRITIUM
Radium (Total) as Bq/l Ra in Water (by Wallac - Liquid Scintillation Counting)	n/a	60	RADON
Radon (Total) as Bq/l Rn-222 in Water (by Wallac - Liquid Scintillation Counting)	n/a	2	RADON
Solids Suspended at 105`C and 500 `C (Total) as mg/lin Waste or Saline (by Filt/Dry/Weight)	n/a	5	SUSPENDED SOLIDS
Carbon Organic (Dissolved and Total) – DOC and TOC as mg/l C in Waters	n/a	7	TOC-L
Carbon Organic (Dissolved andTotal) – DOC and TOC as mg/l C in Waste waters	n/a	1	TOC
Turbidity as NTU in Water/Waste (by Hach - Nephelometry)	n/a	3	TURBIDITY
Quantitative Taste and Odour in clean samples	n/a	3	TASTE AND ODOUR

DESCRIPTION OF ANALYSIS	MAX TIME FROM SAMPLING UNTIL PREPARATION IN DAYS (WHERE APPLICABLE)	MAXIMUM PRESERVATION TIME FROM SAMPLING UNTIL ANALYSIS * (DAYS)	METHOD REFERENCE
Benazolin Bentazone Bromoxynil 2 4-D 2 4-DB Clopyralid Dicamba Ioxynil MCPA MCPB Mecoprop Dichlorprop Fluroxypyr Picloram Pentachlorophenol Triclopyr (Total) as ng/l (by Gas Chromatography with Selected Ion Mass Detection)	1	14	ACID HERBICIDES

DESCRIPTION OF ANALYSIS	MAX TIME FROM SAMPLING UNTIL PREPARATION IN DAYS (WHERE APPLICABLE)	MAXIMUM PRESERVATION TIME FROM SAMPLING UNTIL ANALYSIS * (DAYS)	METHOD REFERENCE
Cyprodinil Chlorfenvinphos Chlorothalonil Chlorpyrifos Cypermethrin Diazinon Diflufenican Dichlobenil Dieldrin Epoxyconazole Fenpropimorph Lindane Kresoxim-methyl Pendimethalin Permethrin Propetamphos Tebuconazole Tri-allate Trifluralin (Total) as ng/l (by Gas Chromatography with Selected Ion Mass Detection)	1	5	INSECTICIDES
Geosmin Metaldehyde 2-Methylisoborneol (Total) as ng/l (by Gas Chromatography with Selected Ion Mass Detection)	n/a	14	METALDEHYDE; GEOSMIN & MIB

DESCRIPTION OF ANALYSIS	MAX TIME FROM SAMPLING UNTIL PREPARATION IN DAYS (WHERE APPLICABLE)	MAXIMUM PRESERVATION TIME FROM SAMPLING UNTIL ANALYSIS * (DAYS)	METHOD REFERENCE
Atrazine Azoxystrobin Boscalid Carbendazim Cyproconazole Cyromazine Chlorotoluron Diuron Desthioprothioconazole, Flusilazole Isoproturon Linuron Metamitron, Methiocarb Propachlor Propyzamide Propamocarb, Simazine Trifloxystrobin Tebuconazole (Total) as ng/l (by Liquid Chromatography - Mass Spectrometry)	1	10	NHERBMS

DESCRIPTION OF ANALYSIS	MAX TIME FROM SAMPLING UNTIL PREPARATION IN DAYS (WHERE APPLICABLE)	STABILITY TIME FROM PREPARATION TO ANALYSIS IN DAYS	METHOD REFERENCE
Benzo[a]Pyrene, Benzo[b]Fluoranthene, Benzo[ghi]Perylene, Benzo[k]Fluoranthene, Fluoranthene, Indeno[1 2 3-cd]Pyrene (Total) as ng/l (by Liquid Chromatography with Fluorescence Detection)	1	7	PAH
Tetrachloroethene, Tetrachloromethane, Trichloroethene (Total) as ug/l (by Gas Chromatography with Selected Ion Mass Detection)	n/a	10	THM-MS
Dibromochloromethane, Bromodichloromethane, Tribromomethane, 1 1 1-Trichloroethane, Trichloromethane, Benzene, 1 2-Dichloroethane (Total) as ug/l (by Gas Chromatography with Selected Ion Mass Detection)	n/a	14	THM-MS