Schedule of Accreditation

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Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address The Laboratory London Road Redhill Surrey RH1 1LJ **Local contact** Mr A Tonkin Tel: +44 (0)1737 772000 Email: Andrew.Tonkin@seswater.co.uk	Environmental Analysis	A

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Water Treatment Work Service Reservoirs Domestic Premises	Sampling	B

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Analysis for the purpose of enforcement of The Water Supply (Water Quality) Regulations 2016 (as amended) (SI 614)	Methodology meeting the requirements of The Drinking Water Testing Specification	
WATERS	<u>Chemical Tests</u>		
Raw and potable	Alkalinity	Documented In-House Methods based on SCA Method 1981 C (ISBN 0117516015) using an autoanalyser	A
	Ammonia	Documented In-House Method based on SCA Method 1981 F (ISBN 0117516139) by autoanalyser	A
	Free carbon dioxide	In-House method based on Department of the Environment method in Analysis of Raw, Potable and Waste Waters, HMSO 1972 (SBN 117505129) by titration	A
	Chloride	Documented In-House Method based on SCA Method 1981 D (ISBN 0117516260) by autoanalyser	A
	Residual chlorine, free and total	Documented In-House Method based on SCA Method 1980 C (ISBN 0117514934) using spectrophotometry	A
	Colour	Documented In-House Method based on SCA Method 1981 A3 (ISBN 0117519553)	A
	Electrical conductivity	Documented In-House Method based on SCA Method 1978 (ISBN 0117514284)	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS (cont'd)	Chemical Tests (cont'd)	Methodology meeting the requirements of DWTS (cont'd)	
Raw and potable (cont'd)	Hardness total	Documented In-House Method based on SCA Method 1981 (ISBN 0117516007) by autoanalyser	A
	Total oxidised nitrogen	Documented In-House Method based on SCA Method 1981 C (ISBN 0117515930) by autoanalyser	A
	Nitrate	A calculated determinand based on TON method	A
	Nitrite	Documented In-House Method based on SCA Method 1981 C (ISBN 0117515930) by autoanalyser	A
	Orthophosphate	Documented In-House Method based on SCA Method 1980 A (ISBN 0117515825) by autoanalyser	A
	pH	Documented In-House Method based on SCA Method 1988 (ISBN 0117514284)	A
	Sulphate	Documented In-House Method based on SCA Method 1988 E (ISBN 0117522406) using an autoanalyser	A
	Turbidity	Documented In-House Method based on SCA Method 1981 B2 (ISBN 011759553) by turbidimeter	A
	Dissolved oxygen	Documented In-House Method using an optical sensor	A
	UV absorbance	Documented In-House Method based on SCA Method 1980 (ISBN 0117515388)	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS (cont'd)	Chemical Tests (cont'd)	Methodology meeting the requirements of DWTS (cont'd)	
	Quantitative taste and odour	SCA Method: The Determination of Taste and Odour in Drinking Water 2025	A
Raw (surface and groundwater) and potable	Metals: Aluminium Antimony Arsenic Boron Cadmium Calcium Chromium Copper Iron Lead Magnesium Manganese Nickel Potassium Selenium Sodium Zinc	Documented In House Method ICP For Selected Metals Using ICP-MS	A
	Benzene Chloroform 1,2-Dichloroethane Carbon tetrachloride Trichloroethene Dichlorobromomethane Tetrachloroethene Dibromochloromethane Bromoform Total trihalomethanes	Documented In-House Method using Headspace GC/MSD	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS (cont'd)	<u>Chemical Tests (cont'd)</u>	Methodology meeting the requirements of DWTS (cont'd)	
Potable and groundwater	Fluoranthene Benzo 3,4 Fluoranthene Benzo 11,12 Fluoranthene Benzo 3,4 pyrene Benzo 1,12 perylene Indeno (1,2,3-cd) pyrene Total Poly Aromatic Hydrocarbons	Documented In-House Method P1 based on EPA Method 550.1 using solid phase extraction followed by high pressure liquid chromatography with fluorescence detection	A
Raw (surface and ground) and potable	Metaldehyde	Documented In-House Method using on-line SPE followed by LC-MS-MS detection	A
	<u>Pesticides:</u> Atrazine Azoxystrobin Boscalid Carbendazim Carbetamide Chlorotoluron Cyproconazole Diflufenican Dimethenamid Diuron Epoxiconazole Flufenacet Flusilazole Flutriafol Isoproturon Metazachlor Methabenzthiazuron Methiocarb Pendimethalin Propachlor Propyzamide Prosulfocarb Simazine Tebuconazole Triallate	Documented In-House Method "PESTS" using on-line SPE followed by LC-MS-MS detection	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS (cont'd)	<u>Chemical Tests (cont'd)</u>	Methodology meeting the requirements of DWTS (cont'd)	
Raw (surface and ground) and potable	<u>Herbicides:</u> Clopyralid Fluroxypyr 2,4-D MCPA Triclopyr Bromoxynil Mecoprop Quinmerac Picloram	Documented In-House Method "ACIDS" using SPE followed by LC-MS-MS detection	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS (cont'd)	<u>Microbiological Tests</u>	Documented In-House Methods based on "The Microbiology of Drinking Water" unless stated otherwise	
Raw and potable	Colony counts at: 22°C for 3 days 37°C for 1 day 37°C for 2 days	Pour plate method as per "The Microbiology of Drinking Water" Part 7 (2020)	A
	Total Coliforms and E. coli (Enumeration and confirmation)	Membrane filtration followed by confirmation as per "The Microbiology of Drinking Water" Part 4 (2016)	A
	Clostridium perfringens (Enumeration and confirmation)	Membrane filtration followed by confirmation as per "The Microbiology of Drinking Water" Part 6 (2021)	A
	Enterococci (Enumeration and confirmation)	Membrane filtration followed by confirmation as per "The Microbiology of Drinking Water" Part 5 (2012)	A
WATERS, treated and raw Water Treatment Works Service Reservoirs	Sampling for the purpose of enforcement of the Water Supply (Water Quality) Regulations 2016 (as amended) (SI 614)	Methodology meeting the requirements of the Drinking Water Testing Specification	
Domestic Premises	<u>Sampling</u> For: Chemical Biological Microbiological analysis Cryptosporidium (permanent rigs & portable kits)	Documented In-House Methods for sampling	B
	<u>Chemical Tests</u>	Documented In-House Methods	
	Total Residual Chlorine Free Residual Chlorine	Using a portable photometer (HACH)	B
	Temperature Measurement	Using a calibrated thermometer	

END