Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

1361

Accredited to ISO/IEC 17025:2017

South West Water Limited

Issue No: 092 **Issue date:** 22 April 2026

Scientific Services Laboratory **Bridge Road** **Countess Wear** **EX2 7AA**	**Contact: Kirsty Harris** **Tel: +44 (0)1392 205738** **E-Mail: kharris@southwestwater.co.uk** **Website: www.southwestwater.co.uk**

Testing performed by the Organisation at the locations specified

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Scientific Services Laboratory Bridge Road Countess Wear Exeter EX2 7AA	**Local contact** Ms. K Harris Tel: +44(0)1392 205738 Email: kharris@southwestwater.co.uk	**Testing:** Inorganic Chemistry Organic Chemistry Microbiology	Exeter
Address Porthellick Laboratory Porthellick Pumping Station St Mary's TR21 0NZ	**Local contact** Ms. K Harris Tel: +44(0)1392 205738 Email: kharris@southwestwater.co.uk	**Testing:** Microbiology	St Mary's

UKAS TESTING 1361 **Accredited to ISO/IEC 17025:2017**	**Schedule of Accreditation** **issued by** **United Kingdom Accreditation Service** 2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK
	South West Water Limited **Issue No:** 092 **Issue date:** 22 April 2026
Testing performed by the Organisation at the locations specified below	

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SECTION 1 EXETER - DWTS & ISO 17025		
WATERS	<u>Chemical and Physical Tests</u> Testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations 2016 [SI 614].	The testing is in accordance with the Drinking Water Testing Specification (DWTS). Documented In-House Methods based on/incorporating procedures in the HMSO series 'Methods for the Examination of Waters and Associated Materials' ISBN reference in parentheses
Raw (Surface Water and Groundwater) Drinking Waters,	Colour	Spectrophotometry Method ref: INO 6 COLOUR (0117519553, 1981, A3)
Raw (Surface Water and Groundwater) and Drinking Waters	Turbidity	Nephelometry Method ref: INO 1 TURBIDITY (0117519553, 1981, B2)
Raw (Surface Water and Groundwater), Drinking Waters	pH Alkalinity at pH 4.5 Conductivity	Method ref: INO 03 PHYSICAL CHEMISTRY (SP2000 and Metrohm instrumentation) (0117514284, 1978) (0117516015, 1981) (0117514284, 1978)
Raw (Surface Water and Groundwater) Drinking Waters	UV Transmittance (by calculation) UV Absorbance (at 254nm)	Method ref: INO 08 UV ABS by Spec
Raw (Surface Water and Groundwater) and Drinking Waters	Ammonium Chloride Nitrate by calculation Nitrite Total Oxidised Nitrogen Ortho-Phosphate	Automated Colorimetric Analysis Method ref: INO 12 NUTRIENTS (0117516139, 1981, F) (0117515930, 1981, D) (0117515930, 1981, D) (0117515930, 1981, H) (0117515930, 1981, D) (0117515825, 1980, A) (0117515574, 1980, B)
Surface Water and Drinking Waters	Silicate	Automated Colorimetric Analysis Method ref: INO 12 NUTRIENTS (0117515574, 1980, B)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATERS (cont'd)	Chemical and Physical Tests For the purpose of enforcement of the Water Supply (Water Quality) Regulations 2016 [SI 614] (cont'd)	The testing is in accordance with the Drinking Water Testing Specification (DWTS).
Raw (Surface Water and Groundwater) and Drinking Waters	Fluoride	Method ref: INO 5 FLUORIDE by Ion Selective Electrode (0117516627, 1982) (HACH MM340)
Raw (Surface Water and Groundwater) and Drinking Waters	Total Organic Carbon Dissolved Organic Carbon	Method ref: INO 11 TOC L by Thermal Oxidation
Raw (Surface Water and Groundwater) and Drinking Waters	Metals: LOW RANGE: Total and Dissolved unless otherwise stated Aluminium Antimony Arsenic Boron Barium Calcium Cadmium Chromium Copper Iron Lead Magnesium Manganese Mercury Nickel Phosphorus Potassium Selenium Sodium Sulphate Uranium Zinc	Method MET 01 METALS and CATIONS based on inductively coupled plasma spectrometry 1996 Method B Methods for examination of water and associated materials (0117532444)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATERS (cont'd)	Chemical and Physical Tests For the purpose of enforcement of the Water Supply (Water Quality) Regulations 2016 [SI 614] (cont'd)	The testing is in accordance with the Drinking Water Testing Specification (DWTS).
Raw (Surface Water and	Alkalinity Bicarbonate as mg/1 HC03	By calculation
Ground Water) and Drinking Waters	Alkalinity Carbonate as mg/1 HC03	By calculation
	Alkalinity Hydroxide as mg/1 HC03	By calculation
	Alkalinity (Total) at pH 4.5 as mg/1 CaC03	By calculation
	Carbon Dioxide Free as mg/1 C02	By calculation
	Hardness Calcium as mg/1 Ca	By calculation
	Hardness Carbonate as mg/1 Ca	By calculation
	Hardness Magnesium as mg/1 Ca	By calculation
	Hardness Non-Carbonate as mg/1 Ca	By calculation
	Hardness Calcium as mg/1 CaC03	By calculation
	Hardness Magnesium as mg/1 CaC03	By calculation
	Hardness Total as mg/1 Ca	By calculation
	Hardness Total as mg/1 CaC03	By calculation
	Ammonium Unionised as mg/1 NH4	By calculation
	Ammonium Unionised as % NH4	By calculation
	Nitrate N03 / Nitrite N02 Ratio Sum	By calculation
	Nitrite (Total) as mg/1 N	By calculation
Raw (Surface Water and Groundwater) and Drinking Waters	**Anions:** Bromide Chlorite Chlorate	Method ref: INO-14 SOP Ion Chromatography using Dionex Ion Chromatograph

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATERS (cont'd)	Chemical and Physical Tests For the purpose of enforcement of the Water Supply (Water Quality) Regulations 2016 [SI 614] (cont'd)	The testing is in accordance with the Drinking Water Testing Specification (DWTS).
Raw (Surface Water and Groundwater) and Drinking Waters	**Pesticides by GC-MS** including: Chlorpyriphos Cyprodinil Diazinon Dichlobenil Dieldrin Diflufenican Epoxyconazole Fenpropimorph Lindane Pendimethalin	Capillary Gas-Chromatography - Mass Spectrometry (0117513733) Method ref: ORG -02 Insecticides
Drinking Waters	Taste and Odour	In House method ref TNO-01 TASTE AND ODOUR based on SCA "The determination of taste and odour in drinking waters (2014)" using assessed panel
Raw (Surface Water and Groundwater), Treated Waters and Drinking Waters	Geosmin 2-methylisoborneol (MIB)	Documented in house method based on bluebook 226 The Determination of Metaldehyde in Waters using Chromatography with Mass Spectrometric detection (2009) and book 171 The assessment of taste, odour and related aesthetic problems in drinking waters 1998. Method ref: ORG -04 MIB GEOSMIN
Raw (Surface Water and Groundwater) and Drinking Waters	**Polycyclic Aromatic Hydrocarbons (PAH)** including: Benzo (b) fluoranthene Benzo (k) fluoranthene Benzo (a) pyrene Benzo (ghi) perylene Indeno (1,2,3 cd) pyrene	HPLC-Fluorimetric detection (0117520322, A) Method ref: ORG -05 PAH

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATERS (cont'd)	Chemical and Physical Tests For the purpose of enforcement of the Water Supply (Water Quality) Regulations 2016 [SI 614] (cont'd)	The testing is in accordance with the Drinking Water Testing Specification (DWTS).
Raw (Surface Water and Groundwater) and Drinking Waters	2,4-D 2,4-DB Asulam Bentazone Bromoxynil Clopyralid Dicamba Dichlorprop Diclofenac Fluroxypyr Ibuprofen Ioxynil MCPA MCPB Mecoprop Naproxen Pentachlorophenol (PCP) Picloram Quinmerac Trichlopyr	Method ref: ORG -07 AHERB Acid Herbicides by LC-MSMS
Raw (Surface Water and Groundwater) and Drinking Waters	**Neutral Herbicides:** Range 0-250ng/l Cyromazine Metamitron Propamocarb Carbendazim Simazine Chlorotoluron Diuron Atrazine Isoproturon Linuron Azoxystrobin Propyzamide Boscalid Tebuconazole	Documented in house method Method ref: ORG -06 NHERBMS by LC-MSMS

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATERS (cont'd)	Chemical and Physical Tests For the purpose of enforcement of the Water Supply (Water Quality) Regulations 2016 [SI 614] (cont'd)	The testing is in accordance with the Drinking Water Testing Specification (DWTS).
Raw (Surface Water and Groundwater) and Drinking Waters	Trichloromethane (Chloroform) 1,2-Dichloroethane* Benzene* Tetrachloromethane* Trichloroethene* Bromodichloromethane* Tetrachloroethene* Dibromochloromethane* Tribromomethane (Bromoform)* Methyl-tert-butylether (MBTE) Methylbenzene (Toluene) Ethylbenzene 1,3-Dimethylbenzene/1,4-Dimethylbenzene (m & p xylene) 1,2-Dimethylbenzene (0-xylene) Ethenylbenzene (Styrene) Naphthalene	Method ref: ORG 03 VOC by Headspace GCMS (Shimadzu) *Indicates also analysed on Agilent system
Raw (Surface Water and Groundwater) and Drinking Waters	Gross α relative to Am^{241} Gross β relative to K^{40}	Method ref: RAD-01 based on: BS ISO 9696:2007 BS ISO 9697:2008 SCA(HMSO) (01175909X, 1986)
Drinking Waters and Groundwaters	Radon 222 and Radium 226	Method ref: RAD-03 & RAD-04
Drinking Waters, Surface Waters and Groundwaters	Tritium	Method ref: RAD-02

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATERS (cont'd)	Microbiological Tests For the purpose of enforcement of the Water Supply (Water Quality) Regulations 2016 [SI 614]	The testing is in accordance with the Drinking Water Testing Specification (DWTS)
Raw (Surface Water and Groundwater)	Total Coliforms, *E coli*, presumptive - membrane filtration	Method ref: C EC BY MF. MoDW Part 4 (2016) and MoREW Part 3 (2016)
Drinking Waters, Raw (Surface Water and Groundwater)	Total Coliforms, *E Coli* confirmed - Colilert	Method ref: TC and EC Colilert. MoDW Part 4 (2016) and MoREW Part 3 (2016)
Drinking Waters, Raw (Surface Water and Groundwater)	Faecal Streptococci (Enterococci), presumptive and confirmed - membrane filtration	Method ref: E BY MF. MoDW Part 5 (2012) and MoREW Part 4 (2015)
Drinking Waters and Raw (Groundwater)	Faecal Streptococci (Enterococci), confirmed - Enterolert	Method ref: E BY ENTEROLERT. MoDW Part 5 (2012) and MoREW Part 4 (2015)
Drinking Waters and raw (Surface Water and Groundwater)	Total Viable Counts - by Pour Plate at 22 °C and 37 °C	Method ref: TVC BY POUR PLATE. MoDW Part 7 (2020)
Drinking Waters, Raw (Surface Water and Groundwater)	*Clostridium perfringens,* presumptive and confirmed - membrane filtration	Method ref: C PERFRINGENS BY MF. MoDW Part 6 (2021)
Drinking Waters, Raw (Surface Water and Groundwater)	Detection and enumeration of *Cryptosporidium* oocysts	Method ref: Crypto by Filta-max xpress. MoDW Part 14 (2010)
Drinking Waters	*Pseudomonas aeruginosa* - Confirmed - Pseudalert	Method ref: P AERUGINOSA BY PSEUDALERT. MoDW Part 8 (2015)

END OF SECTION 1

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SECTION 2 EXETER MCERTS Waters & ISO 17025		
WASTEWATERS to MCERTS	Chemical Tests	Documented In-House Method to meet the requirements of the Environment Agency MCERTS Performance Standard – sampling and chemical testing of untreated sewage, sewage effluent and trade effluent
Saline Treated Sewage Effluent Untreated Sewage, Treated Sewage Effluent, Trade Effluent to Sewer and Controlled Waters	BOD	Analysis by dissolved oxygen probe Method ref: INO 09BOD
Treated Sewage Effluent, Saline treated Sewage Effluent, Trade Effluent to Sewer and Controlled Waters	Total COD: Low range (5-80mg/l)	Method ref: INO 07 COD Merck by Spectrophotometer
Untreated sewage effluent, Saline untreated Sewage Effluent, and Trade Effluent to Sewer and Controlled Waters	Total, and settled COD: High range (25-1500mg/l)	Method ref: INO 07 COD Merck by Spectrophotometer
Untreated Sewage, Treated Sewage Effluent, Trade Effluent to Sewer and Controlled Waters	pH	Method ref: INO 04 pH COND ALK IN WASTE by electrode
Untreated Sewage, Treated Sewage Effluent, Trade Effluent to Sewer and Controlled Waters and Saline Treated Effluents	Suspended solids	Method ref: INO 02 SUSPENDED SOLIDS
Treated Sewage Effluent, Saline Treated Sewage Effluent, Trade Effluent to Controlled Water, Trade Effluent to Sewer	Ammonia Nitrite	Method ref: INO 13 Nutrients in Waste by automated discrete colorimetric analyser
Treated Sewage Effluent, Untreated Sewage, Saline Treated Sewage, Trade Effluent to Controlled Water, Trade Effluent to Sewer	Chloride	Method ref: INO 13 Nutrients in Waste by automated discrete colorimetric analyser

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WASTEWATERS to MCERTS (cont'd)	Chemical Tests (cont'd)	Documented In-House Method to meet the requirements of the Environment Agency MCERTS Performance Standard – sampling and chemical testing of untreated sewage, sewage effluent and trade effluent
Treated Sewage, Saline Treated Sewage, Trade Effluent to Sewer, Trade Effluent to Controlled Water	Total and Dissolved Elements: Aluminium Chromium Iron Manganese Nickel Phosphorus Silver	Method ref: MET 02 METALS & CATIONS BY ICPOES Method ref: MET-02-S
Treated Sewage, Trade Effluent to Sewer, Trade Effluent to Controlled Water	Total & Dissolved Elements: Cadmium Copper Lead	Method ref: MET 02 METALS & CATIONS BY ICPOES
Treated Sewage, Saline Treated Sewage, Trade Effluent to Sewer	Total & Dissolved Elements: Zinc	Method ref: MET 02 METALS & CATIONS BY ICPOES
Treated Sewage, Saline Treated Sewage, Trade Effluent to Controlled Water	Total Elements: Calcium	Method ref: MET 02 METALS & CATIONS BY ICPOES
Treated Sewage, Trade Effluent to Sewer, Trade Effluent to Controlled Water	Total Elements: Potassium Magnesium Sodium Sulphur	Method ref: MET 02 METALS & CATIONS BY ICPOES

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WASTEWATERS to MCERTS (cont'd)	Chemical Tests	Documented In-House Method to Meet the requirements of the Environment Agency MCERTS Performance Standard – sampling And chemical testing of untreated Sewage, sewage effluent, and trade effluent
Treated Sewage, Trade Effluent to Controlled Water	Hardness Calcium as mg/l Ca Hardness Calcium as mg/l CaCO3 Hardness Total as mg/l Ca Hardness Total as mg/l CaCO3	By Calculation Method Ref MET 02 Metals and Cations by ICPOES
Treated Sewage, Trade Effluent to Sewer, Trade Effluent to Controlled Water	Hardness Magnesium as mg/l Ca Hardness Magnesium as mg/l CaCO3	By Calculation Method Ref MET 02 Metals & Cations by ICPOES
Treated Sewage, Trade Effluent to Sewer, Trade Effluent to Controlled Water	Ammonium (total) as mg/l NH4	By Calculation Method Ref INO 13 Nutrients in Waste by automated Discrete analyser

END OF SECTION 2

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SECTION 3 EXETER – ISO 17025 only methods		
WATERS	<u>Chemical and Physical Tests</u>	Documented In-House Methods based on/incorporating procedures in the HMSO series 'Methods for the Examination of Waters and Associated Materials' ISBN reference in parentheses
Recreational Waters (man made)	Total Organic Carbon Dissolved Organic Carbon	Method ref: INO 11TOC L
Raw (Surface Water and Groundwater)	Total COD: Low range (5-80mg/l)	Method ref: INO 07 COD Merck by Spectrophotmeter
Land Leachate	Total, and settled COD: High range (25-1500mg/l)	Method ref: INO 07 COD Merck by Spectrophotometer
Raw (Surface Water and Groundwater)	BOD	Method ref: INO 09 BOD by BOD robot
Raw (Surface Water and Groundwater), Saline Water	Suspended Solids	Method ref: INO 02 Suspended Solids (011751957X, 1980)
Saline Water	Dissolved Oxygen in mg/l and as % saturation O_2 (by calculation)	Titrimetry Method ref: INO 10 DISSOLVED OXYGEN (011751442X, 1979)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	Microbiological Tests	Documented In-House Methods based on:
Recreational Waters (natural)	Total Coliforms, *E coli* presumptive - membrane filtration	Method ref: C EC BY MF. MoDW Part 4 (2016) and MoREW Part 3 (2016)
Recreational Waters (man made)	Total Coliforms and *E.Coli*, Confirmed - Colilert	Methd ref: TC & EC Colilert, MoDW Part 4 (2016) & MoREW Part 3 (2016)
Recreational Waters (natural)	Faecal Streptococci (Enterococci), presumptive and confirmed - membrane filtration	Method ref: E BY MF. MoDW Part 5 (2012) and MoREW Part 4 (2015
Recreational Waters (man made)	Faecal Streptococci (Enterococci), confirmed - Enterolert	Method ref: E BY ENTEROLERT, MoDW Part 5 (2012) and MoREW Part 4 (2015)
Recreational Waters (man made)	*Clostridium perfringens,* presumptive and confirmed - membrane filtration	Method ref: C PERFRINGENS BY MF. MoDW Part 6 (2021) and MoREW Part 5 (2015)
Recreational Waters (man made), Recreational Waters (natural),	Total Viable Counts - by Pour Plate at 22 °C and 37 °C	Method ref: TVC BY POUR PLATE. MoDW Part 7 (2020)
Recreational Waters (man-made)	*Pseudomonas aeruginosa,* Confirmed - Pseudalert	Method ref: P AERUGINOSA BY PSEUDALERT MoERW Part 7
Raw (Surface Water and Groundwater)	Identification and Enumeration of Planktonic Algae (concentration by membrane filtration and microscopic examination)	Method ref: ALGAL CELLS IN WATER Method reference: Biology of Waters and Associated Materials - Enumeration and Identification of Algae (2024)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WASTE WATERS	Chemical and Physical Tests	Documented In-House Methods based on Standing Committee of Analysts Methods (HMSO) ISBN
Untreated and Treated Industrial and Domestic Waste Waters, and Landfill Leachate	Biochemical Oxygen Demand	Analysis by dissolved oxygen probe utilizing a robotic analyser Method ref: INO 09 BOD (0117522120, 1988)
	Chemical Oxygen Demand	Method ref: INO 07 COD (0117519154, 1986, B)
Untreated and Treated Industrial and Domestic Waste Waters, and Landfill Leachate -	pH	Method ref: INO 04 pH COND ALK IN WASTE (0117514284, 1978)
Untreated and Treated Industrial and Domestic Waste Waters, and Landfill Leachate	Suspended Solids	Gravimetry Method ref: INO 02 SUSPENDED SOLIDS (011751957X, 1980)
Treated Sewage, Trade Effluent to Controlled Waters, Trade Effluent to Sewer, Landfill Leachate	Total Oxidised Nitrogen	Method Ref: INO 13 Nutrients in WASTE by automated discrete colorimetric analyser
Landfill Leachate	Ammonia	Method Ref: INO 13 Nutrients in Waste by automated discrete Colorimetric analyser
Landfill Leachate	Total and Dissolved Metals: Silver	Method Ref: MET-02-S

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATERS (cont'd)	Microbiological Tests	Documented In-House Methods based on:
Treated and Partially Treated Sewage, Untreated Sewage, Saline Waters	Total Coliforms & *E. coli*, presumptive - membrane filtration	Method ref: C EC BY MF. MoREW Part 3 (2016)
	Faecal Streptococci (Enterococci), presumptive - membrane filtration	Method ref: E BY MF. MoREW Part 4 (2014)
Limed Sewage Sludge	*Salmonella* spp, presumptive presence/absence	Method ref: SALM P/A IN SLUDGE. MoSS Part 4 (2004)
Sewage Sludge, (including Composted, Limed, Digested and Raw)	*E. coli*, Presumptive- membrane filtration	Method ref: EC IN SLUDGE BY MF. MoSS Part 3 (2024)

END OF SECTION 3

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SECTION 4 St Mary's Isles of Scilly – DWTS & ISO17025 METHODS		
WATERS	Microbiological Tests:	The testing is in accordance with the Drinking Water Testing Specification (DWTS). Documented In-House Methods based on/incorporating procedures in the HMSO series 'Methods for the Examination of Waters and Associated Materials' ISBN reference in parentheses
Drinking Water, Ground Water	Total Coliforms, confirmed - Colilert *E.coli,* confirmed - Colilert	Method ref: TC & EC Colilert. MoDW Part 4 (2016)
	Total Viable Counts at 22°C & 37°C Pour Plate	Method ref: TVC by POUR PLATE MoDW Part 7 (2020)
END OF SECTION 4		