


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>1229</b></p> <p>Accredited to <b>ISO/IEC 17025:2017</b></p>	<h3>Severn Trent Water Limited</h3> <p><b>Issue No: 116 Issue date: 29 April 2026</b></p>	
	<p><b>Bridgend Science Park</b>  <b>2 Technology Drive</b>  <b>Bridgend</b>  <b>Mid-Glamorgan</b>  <b>CF31 3NA</b></p>	<p><b>Contact: Mrs M J Harman</b>  <b>Tel: +44 (0)7889632203</b>  <b>Fax: +44 (0)1656 646525</b>  <b>E-Mail: michelle.harman@severntrent.co.uk</b>  <b>Website: www.stwater.co.uk</b></p>
<p><b>Testing performed by the Organisation at the locations specified</b></p>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details		Activity	Location code
<p><b>Address</b>                      Bridgend Science Park                      2 Technology Drive                      Bridgend                      Mid Glamorgan                      CF31 3NA</p>	<p><b>Local contact</b>                      Mr K Denny  <b>Tel:</b> +44 (0) 7889 805975  <b>Email:</b> kevin.denny@severntrent.co.uk</p>	<p>Testing:                      Chemical</p>	<p>B</p>
<p><b>Address</b>                      Church Wilne Laboratory                      Church Wilne STW                      Sawley Road                      Draycott                      Derby                      DE72 3QF</p>	<p><b>Local contact</b>                      Beata Michalik  <b>Tel:</b> +44 (0) 7976 758052  <b>Email:</b> beata.michalik@severntrent.co.uk</p>	<p>Testing:                      Microbiological</p> <p>Sampling and on site testing:                      Co-ordination of the sampling of water for subsequent chemical, microbiological and cryptosporidium testing</p>	<p>CW</p>
<p><b>Address</b>                      Shelton Laboratory                      Welshpool Road                      Shelton                      Shrewsbury                      SY3 8BJ</p>	<p><b>Local contact</b>                      Beata Michalik  <b>Tel:</b> +44 (0) 7976 758052  <b>Email:</b> beata.michalik@severntrent.co.uk</p>	<p>Testing:                      Microbiological</p> <p>Sampling and on site testing:                      Co-ordination of the sampling of water for subsequent chemical, microbiological and cryptosporidium testing</p>	<p>S</p>



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Location details		Activity	Location code
<b>Address</b> Campion Hills WTW Black Lane Leamington Spa CV32 7AU	<b>Local contact</b> Rebecca Davies <b>Tel:</b> +44 (0) 7773 259108 <b>Email:</b> rebecca.davies@severntrent.co.uk	Sampling and on site testing: Co-ordination of the sampling of water for subsequent chemical, microbiological and cryptosporidium testing	L
<b>Address</b> Mythe WTW Mythe Road Tewkesbury Gloucester GL20 6AA	<b>Local contact</b> Rebecca Davies <b>Tel:</b> +44 (0) 7773 259108 <b>Email:</b> rebecca.davies@severntrent.co.uk	Sampling and on site testing: Co-ordination of the sampling of water for subsequent chemical, microbiological and cryptosporidium testing	M
<b>Address</b> Tittesworth WTW Meerbrook Leek Staffordshire ST13 3SW	<b>Local contact</b> Rebecca Davies <b>Tel:</b> +44 (0) 7773259108 <b>Email:</b> rebecca.davies@severntrent.co.uk	Sampling and on site testing: Co-ordination of the sampling of water for subsequent chemical, microbiological and cryptosporidium testing	N
<b>Address</b> Leicester Water Centre Anstey Lane Leicester LE7 7GU	<b>Local contact</b> Rebecca Davies <b>Tel:</b> +44 (0) 7773259108 <b>Email:</b> rebecca.davies@severntrent.co.uk	Sampling and on site testing: Co-ordination of the sampling of water for subsequent chemical, microbiological and cryptosporidium testing	O



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS			
Potable, Raw, Surface and Groundwaters	Testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations 2016 (SI 614) and Water Supply (Water Quality) Regulations 2010 (Wales) as amended (where relevant)  <u>The testing is in accordance with the Drinking Water Testing Specification (DWTS)</u>	Documented In-House Methods based on Standing Committee of Analysts Methods for the Examination of Waters and Associated Materials, HMSO Publication, Year and ISBN No given where applicable	
Potable, Raw, Surface and Groundwaters	<u>Chemical Tests:</u>  Acid Herbicides:  2,4-D 2,4-DB Benazolin Bentazone Clopyralid Dicamba Dichlorprop Fluroxypyr MCPA Mecoprop Metaldehyde Triclopyr  Total pesticides (by Calculation)	51031 using direct injection LCMSMS	B
	Herbicides:  Chlormequat	51010B using direct injection and LC-QQQ	B



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS (cont'd)	<u>Chemical Tests</u> (cont'd)		
Potable, Raw, Surface and Groundwaters	Polycyclic Aromatic Hydrocarbons:  Benz(b)fluoranthene Benz(k)fluoranthene Benz(a)pyrene Benz(g,h,i)perylene Indeno(1,2,3-cd)pyrene Total PAH (by calculation)	1) 51002B using solvent extraction and detection by GC-MS	B
Potable, Raw, Surface and Groundwaters	Polar pesticides:  Atrazine Carbetamide Chlortoluron Diazinon Diflufenican Diuron Ethofumesate Isoproturon Metamitron Metazachlor Pendimethalin Propiconazole Propyzamide	51015B using direct injection LCMSMS (LC triple quadruple MS)	B



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WATERS (cont'd)	<u>Chemical Tests</u> (cont'd)		
Potable, Raw, Surface and Groundwaters	Trichloromethane (chloroform) Bromodichloromethane Chlorodibromomethane Tribromomethane (bromoform) Total THMS (by calculation) Tetrachloromethane (carbon tetrachloride) Trichloroethene Tetrachloroethene Total Trichloroethene and Tetrachloroethene (by calculation) 1,1,1 trichloroethane 1,2 dichloroethane 1,2 dibromoethane Methyl tertiary butyl ether (MTBE) Tertiary Amyl Methyl Ether (TAME) Benzene Toluene Ethylbenzene o-xylene m/p-xylene Total Xylenes (by calculation)	51019 using headspace and detection by GCMS	B
Drinking, Surface and Groundwater	Glyphosate	51028B using automated MPS FMOC derivatisation and analysis by LCQQQ	B
Potable, Raw, Surface and Groundwaters	Organochlorine Pesticides, and Selected Non-Polar Organic Compounds:  Heptachlor Aldrin cis-Heptachlor Epoxide trans-Heptachlor Epoxide Dieldrin Tri-allate	51021 using GC MS MS	B



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WATERS (cont'd)	<u>Chemical Tests</u> (cont'd)		
Potable, Raw, Surface and Groundwaters	Pesticides: Asulam Azoxystrobin Boscalid Dimethenamid p Epoiconazole Flufenacet Metalaxyl Metribuzin Oxadixyl Quinmerac Prosulfocarb Tebuconazole	51027 using LC-HRMS	B
Potable, Raw, Surface and Groundwaters	Pesticides: Asulam Azoxystrobin Boscalid Dimethenamid p Epoiconazole Flufenacet Metalaxyl Metribuzin Oxadixyl Quinmerac Prosulfocarb Tebuconazole	51027B using LC-HRMS	B
	Poly and Perfluorinated Alkyl Substances (PFAS) Scope and matrices listed in <a href="#">Appendix 1</a>	51032 Solid phase extraction, Analysis by HPLC and quantification by LCQQQ	B
	Sum of PFAS (48 compounds as listed in Appendix 1)	51032 by calculation	B
Potable water and Bottled water (Emergency Water, bought in)	Odour, threshold number of treated water	71017 Quantitative, based on Microbiology of Drinking Water part 11 2014	B



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WATERS (cont'd)	<u>Chemical Tests</u> (cont'd)		
Potable water and Bottled water (Emergency Water, bought in)	Taste, Threshold number of treated water	71017 Quantitative based on Microbiology of Drinking Water part 11 2014	B
Potable, Raw, Surface and Groundwaters	Bromate Bromide Chlorate Chlorite	51001 using Ion Chromatography Metrohm	B
Potable, Raw, Surface and Groundwaters	Total and dissolved metals:  Arsenic Boron Barium Cadmium Chromium Copper Molybdenum Nickel Lead Antimony Selenium Uranium Zinc	61011 using Agilent 7900 ICP-MS	B
Potable, Raw, Surface and Groundwaters	Elements: Aluminium Calcium Iron Magnesium Manganese Potassium Sodium	61002 using ICP-OES	B
Potable, Raw, Surface and Groundwaters	Elements: Aluminium Calcium Iron Magnesium Manganese Potassium Sodium	61002a using ICP-OES Perkin Elmer Avio 550 Max	B



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WATERS (cont'd)	<u>Chemical Tests (cont'd)</u>		
Potable, Raw, Surface and Groundwaters	Elements: Aluminium Calcium Iron Magnesium Manganese Potassium Sodium	61002b using ICP-OES Agilent 5110b	B
Potable, Raw, Surface and Groundwaters	Mercury	61012 using digestion and ICP-MS analysis	B
Potable, Raw, Surface and Groundwaters	Phosphorus	61006 using ICP-MS	B
Potable, Raw, Surface and Groundwaters, Bottled water (Emergency Water, bought in)	Conductivity	Method 71005 using manual conductivity meter and robotic determination	B
Potable, Raw, Surface and Groundwaters	Cyanide (Total)	Method 71001 using segmented flow analysis	B
Potable, Raw, Surface and Groundwaters	Fluoride	Method 71003 using Ion selective electrode manual and automated	B
Potable, Raw, Surface and Groundwaters	Ammonium Nitrite Chloride Orthophosphate Sulphate TON Silicate Alkalinity Nitrate (by calculation)	Method 61001 using Konelab	B



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WATERS (cont'd)	<u>Chemical Tests (cont'd)</u>		
Potable, Raw, Surface and Groundwaters	Ammonium Nitrite Chloride Orthophosphate Sulphate TON Silicate Alkalinity Nitrate (by calculation)	Method 61001B using AMS Alliance Smartchem 600 discrete analyser	B
Potable, Raw, Surface and Groundwaters, Bottled water (Emergency Water, bought in)	pH	Method 71007 using manual pH electrode and robotic determination	B
Potable, Raw, Surface and Groundwaters, Bottled water (Emergency Water, bought in)	Turbidity	Method 71008 using a manual turbidity meter and robotic determination	B
Potable, Raw, Surface and Groundwaters	Organic Carbon/Non Purgeable Organic Carbon	Method 71010 using combustion and NDIR gas analysis	B
Potable, Raw, Surface and Groundwaters, Bottled water (Emergency Water, bought in)	Colour	Method 71006 visible spectrometry and robotic determination	B
Potable, Raw, Surface and Groundwaters	UV absorbance and % transmission	Method 71014 using spectrometry	B
Potable, Raw, Surface and Groundwaters, Bottled water (Emergency Water, bought in)	pH Electrical Conductivity Turbidity Colour	Method 76017 using Skalar automated robot	B



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<p>WATERS:</p> <p>Potable, Raw (Surface, Ground and Spring) Waters, Bottled water (Emergency Water, bought in)</p>	<p>Testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations 2016 (SI 614). and Water Supply (Water Quality) Regulations 2010 (Wales) as amended (where relevant)</p> <p><u>Testing is in accordance with the Drinking Water Testing Specification (DWTS)</u></p> <p><u>Microbiological Testing</u></p> <p>Coliforms and <i>Escherichia coli</i>, presumptive and confirmed</p> <p><i>Clostridium perfringens</i>, presumptive and confirmed</p> <p>Heterotrophic plate counts at 22°C</p> <p>Enterococci, presumptive and confirmed</p>	<p>Documented In-House Methods based on Standing Committee of Analysts Methods for the Examination of Waters and Associated Materials</p> <p>In-house method 21032 based on “The Microbiology of Drinking Water” Part 4 (2016) by membrane filtration (method 21025) using MLGA</p> <p>In-house method 21031 based on “The Microbiology of Drinking Water” Part 6 (2021) by membrane filtration (method 21025) using TSC</p> <p>In-house method 21038 based on “The Microbiology of Drinking Water” Part 7 (2020) by pour plate using YEA</p> <p>In-house method 21030 based on “The Microbiology of Drinking Water” Part 5 (2012) by membrane filtration (method 21025) using MEA</p>	<p>CW, S</p> <p>CW, S</p> <p>CW, S</p> <p>CW, S</p>



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<p>WATERS:</p> <p>Potable, Raw (Surface, Ground and Spring) Waters only</p>	<p><u>Microbiological Testing (cont'd)</u></p> <p><i>Cryptosporidium</i></p>	<p>Documented In-House Methods based on Standing Committee of Analysts Methods for the Examination of Waters and Associated Materials (cont'd)</p> <p>In-house method 30001 based on "The Microbiology of Drinking Water" Part 14 (2010) using FiltaMax® and FiltaMax Xpress™ and 11 immune fluorescent staining for identification by microscopy</p>	<p>CW</p>
<p>ENVIRONMENTAL SAMPLES</p> <p>Polyester tipped stick swabs in neutralising buffer transport medium</p>	<p>Detection of:</p> <p>Coliforms, confirmed <i>Escherichia coli</i>, confirmed</p>	<p>In-house method 21092 using elution and growth characterisation in Colilert-18 media</p>	<p>CW, S</p>
<p>Bacterial isolates from the testing of Potable, Raw (Surface, Ground) Waters using relevant in house microbiology isolation methods: 21030 21031 21032</p>	<p>Characterisation and confirmation of: <i>Clostridium perfringens</i> Coliforms <i>E. coli</i> Enterococci</p>	<p>In-house method 21090 using MALDI-TOF (Matrix Assisted Laser Desorption Ionisation – Time of Flight)</p>	<p>CW, S</p>



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WATER TREATMENT WORKS: Raw and Drinking water sources	Sampling and site testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations 2016 (SI 614), and Water Supply (Water Quality) Regulations 2010 (Wales) as amended (where relevant)  <u>Sampling is in accordance with the Drinking Water Testing Specification (DWTS)</u>	Methodology meeting the requirements of the Drinking Water Testing Specification	CW, S, L, M, N, O
RESERVOIRS: Sampling taps	<u>Sampling</u>		CW, S, L, M, N, O
HOUSEHOLD AND INDUSTRIAL: Drinking water taps Cryptosporidium Rigs	For subsequent Chemical, Microbiological and <i>Cryptosporidium</i> analysis	In house methods: 81001S Taking, handling and storage of samples - STW and HD Sites 81003S Other sampling (Cryptosporidium)	CW, S, L, M, N, O
SAMPLE TAPS	Sampling using polyester tipped stick swabs in neutralising buffer, transport medium for subsequent Microbiological analysis		CW, S, L, M, N, O
TANKERED WATER	For subsequent Chemical, Microbiological analysis	In house method: 81075	CW, S, L, M, N, O
WATER TREATMENT WORKS: Raw and Drinking water sources	<u>Chemical Tests</u>  Total Residual Chlorine Free Residual Chlorine	In house method: 81002S Chlorine Analysis, Meter Use, Calibration and AQC 81005S validation and support processes	CW, S, L, M, N, O
END			



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Appendix 1

**Poly and Perfluorinated Alkyl Substances (PFAS) x48**

In house Method **51032** Solid phase extraction, Analysis by HPLC and quantification by LCQQQ  
Range LOD to 0.125µg/l & LOD to 0.300µg/l

ISO/IEC 17025 & DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended

PFBA (375-22-4) PFPeA (PFPA) (2706-90-3) PFHxA (307-24-4) PFHpA (375-85-9) PFOA (335-67-1) PFNA (375-95-1) PFDA (335-76-2) PFUndA (2058-94-8) PFDoA (307-55-1) PFTTrDA (72629-94-8) PFTDA (PFTeA) (376-06-7) PFHxDA (67905-19-5) PFODA (16517-11-6) PFBS (375-73-5) PFPeS (PFPS) (2706-91-4) PFHxS (355-46-4)	PFHpS (375-92-8) PFOS (1763-23-1) PFNS (68259-12-1) PFDS (335-77-3) PFUnDS (749786-16-1) PFDoS (79780-39-5) HFPO-DA (Gen X) (13252-13-6) HFPO-TA (13252-14-7) DONA (919005-14-4) PFMOPrA (377-73-1) NFDHA (151772-58-6) PFMOBA (863090-89-5) PFecHS (335-24-0) 3:3 FTCA (356-02-5) 5:3 FTCA (914637-49-3) 7:3 FTCA (812-70-4)	PFEESA (113507-82-7) 9CI-PF3ONS (756426-58-1) 11CI-PF3OUdS (763051-929) 4:2 FTSA (757124-72-4) 6:2 FTSA (27619-97-2) 8:2 FTSA (39108-34-4) FBSA (30334-69-1) FHxSA (41997-13-1) FOSA (754-91-6) MeFOSA (31506-32-8) EtFOSA (4151-50-2) MeFOSE (24448-09-7) EtFOSE (1691-99-2) MeFOSAA (2355-31-9) EtFOSAA (2991-50-6) 6:2:FTAB (Capstone B) (34455-29-3)
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