

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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



1579

Accredited to  
ISO/IEC 17025:2017

### South East Water Ltd (trading as South East Water Scientific Services)

Issue No: 083 Issue date: 23 July 2025

3 Columbus Drive  
Southwood  
Farnborough  
GU14 0NZ

Contact: Mrs Helen Jones  
Tel: +44 (0)1634 276285  
E-Mail: Helen.Jones@southeastwater.co.uk  
Website: www.sewscientificservices.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 |
|--|--|---------------|
| 3 Columbus Drive<br>Southwood<br>Farnborough<br>GU14 0NZ<br><br><b>Contact:</b><br>Mrs Helen Jones<br>Tel: +44 (0)1634 276285<br>E-Mail: Helen.Jones@southeastwater.co.uk<br>Website: www.southeastwater.co.uk       | <b>Testing:</b><br>Chemical and microbiological<br><br><b>Support Functions:</b><br>Quality Administration<br><br><b>Sampling:</b><br>Regulatory Sampling & on-site testing<br>Commercial Sampling & on-site testing | A             |
| Pembury Depot<br>Old Church Road<br>Pembury<br>Kent<br>TN2 4AS<br><br><b>Contact:</b><br>Mrs Helen Jones<br>Tel: +44 (0)1634 276285<br>E-Mail: Helen.Jones@southeastwater.co.uk<br>Website: www.southeastwater.co.uk | <b>Sampling:</b><br>Regulatory Sampling and on-site testing  | B             |
| Snodland Depot<br>Rocfort Road<br>Snodland<br>ME6 5AH<br><br><b>Contact:</b><br>Mrs Helen Jones<br>Tel: +44 (0)1634 276285<br>E-Mail: Helen.Jones@southeastwater.co.uk<br>Website: www.southeastwater.co.uk          | <b>Sampling:</b><br>Regulatory Sampling and on-site testing  | C             |

##### Site activities performed away from the locations listed above:

| Location details   | Activity                     | Location code |
|--|------------------------------|---------------|
| Water Treatment Works<br>Service Reservoirs, domestic & commercial premises (taps), ground and surface water sources | Sampling and on-site testing | D             |

|  |  |
|--|--|
|  <p><b>1579</b><br/>Accredited to<br/><b>ISO/IEC 17025:2017</b></p> | <p align="center"><b>Schedule of Accreditation</b><br/>issued by<br/><b>United Kingdom Accreditation Service</b><br/>2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK</p> <p align="center"><b>South East Water Ltd</b><br/><b>(trading as South East Water Scientific Services)</b><br/><b>Issue No: 083   Issue date: 23 July 2025</b></p> |
| <p align="center"><b>Testing performed by the Organisation at the locations specified</b></p>  |  |

**This schedule is ordered as follows:**

Section 1

ISO 17025 + DWTS

Inorganic Chemistry

Organic Chemistry

Sensory

Radiochemistry

Microbiology and Cryptosporidium

Sampling

Section 2

ISO 17025 only

Inorganic Chemistry Waters

Organic Chemistry Waters

Microbiology and Cryptosporidium

Note: Accreditation to DWTS automatically confers an equivalent accreditation to ISO 17025



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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 |
|-------------------------------------|---|---|---------------|
| <b><u>SECTION 1</u></b>             |   |   |               |
| WATERS                              | <u>Chemical Tests</u>   | Documented In-House Methods based on MEWAM Standing Committee of Analysts Methods       |               |
| Drinking, Surface and Ground Waters | Analysis for the purpose of the enforcement of The Water Supply (Water Quality) Regulations 2018. | Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS) |               |
|                                     |   | <u>Colorimetry using Discrete Analyser</u>  |               |
|                                     | Alkalinity  | Method No 235   | A             |
|                                     | Chloride  | Method No 215   | A             |
|                                     | Total Hardness  | Method No 205   | A             |
|                                     | Nitrite   | Method No 225   | A             |
|                                     | TON   | Method No 245   | A             |
|                                     | Silica  | Method No 285   | A             |
|                                     | Nitrate   | By calculation from Methods 225 and 245   | A             |
|                                     | Soluble Reactive Phosphate  | Method No 270 (Blue Book 147, 1992)   | A             |
|                                     | Sulphate  | Method No 305 (Blue Book 136, 1988)   | A             |
|                                     | Ammonia and ammonium ions   | Method No 255 (Blue Book 48, 1981)  | A             |
|                                     | Chromium (VI)   | Method No 3724  | A             |
|                                     | Total Cyanide   | Method No 5413 by continuous flow analysis  | A             |
|                                     | Conductivity  | Method No 660 by automated conductivity meter   | A             |



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|--|--|--|---------------|
| WATERS (cont'd)                              | <u>Chemical Tests</u> (cont'd)                                     | Documented In-House Methods based on MEWAM Standing Committee of Analysts Methods  |               |
| Drinking, Surface and Ground Waters (cont'd) | pH   | Method No 660 by automated pH Meter, or Method No 185 by Manual pH meter (Blue Book 14, 1978)                            | A             |
|  | Turbidity  | Method No 660 by automated turbidimeter  | A             |
|  | Colour   | Method No 660 by automated visible spectrometry, or Method No 620, by manual visible spectrometry. (Blue Book 103, 1981) | A             |
|  | <u>Metals:</u>   | <u>ICP-MS</u>  |               |
|  | Aluminium<br>Iron<br>Manganese<br>Nickel<br>Copper<br>Zinc<br>Lead | Method 730   | A             |
|  | Chromium<br>Cadmium<br>Barium                                      | Method 735   | A             |



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| WATERS (cont'd)                              | <u>Chemical Tests</u> (cont'd)                                  | Documented In-House Methods based on MEWAM Standing Committee of Analysts Methods |               |
| Drinking, Surface and Ground Waters (cont'd) | <u>Metals:</u> (cont'd)   | <u>ICP-MS</u>   |               |
|  | Boron<br>Calcium<br>Magnesium<br>Potassium<br>Sodium            | Method 740  | A             |
|  | Arsenic<br>Selenium<br>Antimony                                 | Method 745 by Nexion ICP-MS   | A             |
|  | Lithium<br>Beryllium<br>Vanadium<br>Cobalt<br>Molybdenum<br>Tin | Method 750  | A             |
|  | Strontium<br>Uranium  | Method 755  | A             |
|  | Total Phosphorus  | Method 760  | A             |
|  | Mercury   | Method 765  | A             |
|  | Silver  | Method 770  | A             |
|  |   | <u>Ion Chromatography</u>   |               |
|  | Chlorate<br>Fluoride<br>Bromide<br>Chlorite                     | Method No 3371  | A             |
|  | Bromate   | Method No 3401  | A             |



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|--|--|---|---------------|
| WATERS (cont'd)                              | <u>Chemical Tests</u> (cont'd)   | Documented In-House Methods based on MEWAM Standing Committee of Analysts Methods |               |
| Drinking, Surface and Ground Waters (cont'd) | Total Organic Carbon   | Method No 250 by TOC analyser (Blue Book 157, 1995)                               | A             |
| Surface and Ground Waters                    | Total Dissolved Solids at 180°C  | Method No 170 by gravimetry (Blue Book 105, 1980)                                 | A             |
| Drinking Water and Ground Waters             | Dry Residues   | Method No 315 using gravimetry  | A             |
| Drinking, Surface and Ground Waters          | Pesticides:<br>Aldrin<br>Chlorpropham<br>Chlorpyrifos<br>Chlorthal dimethyl<br>Diazinon<br>Dichlobenil<br>Dieldrin<br>Ethoprop<br>Heptachlor epoxide A<br>Heptachlor epoxide B<br>Heptachlor<br>Lindane<br>Propachlor<br>Propetamphos<br>Propham<br>Propyzamide<br>Tecnazene<br>Triallate<br>Trifluralin | Method 5823 by liquid/liquid extraction and GC-MSMS                               | A             |



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|--|---|--|--|
| WATERS (cont'd)                              | <u>Chemical Tests</u> (cont'd):   |  |  |
| Drinking, Surface and Ground Waters (cont'd) | <u>Hydrocarbons and Halogenated Hydrocarbons:</u><br><br>Benzene<br>1,2, Dichloroethane<br>Trichloromethane<br>1,1,1, Trichloroethane<br>Tetrachloromethane<br>Trichloroethene<br>Bromodichloromethane<br>Tetrachloroethene<br>Chlorodibromomethane<br>Tribromomethane<br><br>Total Chlorthal | Method No 775 by Headspace GC-MS<br><br><br><br><br><br><br><br><br><br><br>Method 3841 by GC-MS | A<br><br><br><br><br><br><br><br><br><br><br>A |
|  | <u>VOCs:</u><br><br>Methyl Tertiary Butyl Ether (MTBE)<br>Benzene<br>Toluene<br>Ethylbenzene<br>m/p-Xylene<br>o-Xylene<br>Styrene<br>3-Ethyltoluene<br>1,2,4-Trimethylbenzene   | Method No 2852 by Headspace GC-MS  | A  |
|  | <u>PAH'S:</u><br><br>Benzo-3,4-fluoranthene<br>Benzo-11,12-fluoranthene<br>Benzo-1,12-perylene<br>Benzo-3,4-pyrene<br>Fluoranthene<br>Indeno-1,2,3-cd-pyrene  | <u>HPLC-Fluorescence Detection</u><br>Method No 480<br>(Blue Book 165, 1997)                     | A  |
| Drinking, Surface and Ground Waters          | Geosmin<br>2-Methylisoborneol   | SPME and GCMS analysis<br>Method 5619  | A  |



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| WATERS (cont'd)                              | <u>Chemical Tests</u> (cont'd)   |   |               |
| Drinking, Surface and Ground Waters (cont'd) | <u>Acid Herbicides</u>   | <u>Direct Aqueous Injection</u><br><u>LC-MS-MS</u><br>Method 3545 | A             |
|  | 2,4-D<br>2,4-DB<br>2,4,5-T<br>Benazolin<br>Bentazone<br>Bromoxynil<br>Clopyralid<br>Dicamba<br>Dichlorprop<br>Fluroxypyr<br>Ioxynil<br>MCPA<br>MCPB<br>Mecoprop (MCP)<br>Pentachlorophenol (PCP)<br>Picloram (Drinking and GW only)<br>Triclopyr |   |               |
|  | Fenpropimorph  | <u>Direct Aqueous Injection</u><br><u>LC-MS-MS</u> - Method 3551  | A             |
|  | Metaldehyde  | <u>Direct Aqueous Injection</u><br><u>LC-MS-MS</u> - Method 3809  | A             |
|  | <u>Acid Herbicides</u>   | On-line SPE / LC-MS-MS  | A             |
|  | 2,4-D<br>2,4-DB<br>2,4,5-T<br>Benazolin<br>Bentazone<br>Bromoxynil<br>Dicamba<br>Dichlorprop<br>Fluroxypyr<br>Ioxynil<br>MCPA<br>MCPB<br>Mecoprop (MCP)<br>Triclopyr   | Method 715  |               |



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| WATERS (cont'd)                     | <u>Chemical Tests</u> (cont'd)   |  |               |
| Drinking, Surface and Ground Waters | <u>Herbicides</u><br>Bromacil<br>Chloridazon<br>Deisopropyl Atrazine<br>Desethyl Atrazine<br>Diflufenican<br>Dimethoate<br>Flufenacet<br>Fluopyram<br>Metamitron<br>Methabenzthiazuron<br>Monuron<br>Prosulfocarb<br>Clomazone<br>Dimethomorph<br>Fludioxonil<br>Fluopicolide<br>Fosthiazate<br>Metobromuron<br>Metribuzin | <u>LC-QQQ</u><br>In-House Method 4548              | A             |



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| WATERS (cont'd)                              | <u>Chemical Tests</u> (cont'd)   |   |               |
| Drinking, Surface and Ground Waters (cont'd) | Oxamyl<br>Pirimicarb<br>Propiconazole<br>Terbuthylazine  | <u>LC-QQQ</u><br>In-House Method 4548   | A             |
| Drinking, Surface and Ground Waters          | Atrazine<br>Azoxystrobin<br>Boscalid<br>Carbendazim<br>Carbetamide<br>Chlortoluron<br>Cyproconazole<br>Diuron<br>Epoxiconazole<br>Flusilazole<br>Flutriafol<br>Isoproturon<br>Linuron<br>Mesosulfuron-methyl<br>Metazachlor<br>Oxadixyl<br>Pendimethalin<br>Prometryn<br>Propazine<br>Quinmerac<br>Simazine<br>Tebuconazole<br>Terbutryn<br>Trietazine | <u>LC-MS-MS</u><br>Method 2587  | A             |
| Drinking Water Only                          | Taste  | Method 230 by panel based on MEWAM Standing Committee of Analysts Method "Determination of Taste and Odour in Potable Waters", 2014 | A             |
| Drinking and Raw Waters                      | Odour  | Method 230 by panel   | A             |



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| WATERS (cont'd)                      | <u>Chemical Tests</u> (cont'd)  |   |               |
| Drinking and Ground Waters           | Gross alpha (relative to AM-241)<br>Gross beta (relative to K-40)                                 | Method No 295 by gas-flow proportional counting   | A             |
| Drinking, Surface and Ground Waters  | Tritium   | Method No 5374 by Liquid Scintillation (Maximum reporting limit 20Bq/l)   | A             |
|                                      | <u>Microbiological Tests</u>  |   |               |
|                                      | Analysis for the purpose of the enforcement of The Water Supply (Water Quality) Regulations 2018. | Documented In-House Methods based on procedures in MODW Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS) |               |
|                                      | Enumeration of:   |   |               |
| Drinking, Surface and Ground Waters, | Coliforms, presumptive and confirmed  | Method No 400 using the Colilert system (MoDW Part 4, 2016)   | A             |
| Drinking, Surface and Ground Waters  | Coliforms, presumptive and confirmed  | Method No 385 by membrane filtration using MLGA (MoDW Part 4, 2016)   | A             |
| Drinking, Surface and Ground Waters, | <i>Escherichia coli</i> , presumptive and confirmed   | Method No 400 using the Colilert system   | A             |
| Drinking, Surface and Ground Waters  | <i>Escherichia coli</i> , presumptive and confirmed   | Method No 385 by membrane filtration using MLGA   | A             |
| Drinking, Surface and Ground Waters, | <i>Pseudomonas aeruginosa</i> presumptive and confirmed   | Method No 410 by membrane filtration (MoDW Part 8, 2015)  | A             |
| Drinking water                       | <i>Pseudomonas species</i> confirmed  | Method 3383 by membrane filtration  | A             |
| Drinking, Surface and Ground Waters, | Total aerobic colony count at 22 °C and at 37 °C  | Method No 430 by pour plate, using YEA (MoDW Part 7, 2020)  | A             |



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|-------------------------------------|---|---|---------------|
| WATERS (cont'd)                     | <u>Microbiological Tests</u> (cont'd)<br><br>Analysis for the purpose of the enforcement of The Water Supply (Water Quality) Regulations 2018. (cont'd) | Documented In-House Methods based on procedures in MODW Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS) |               |
| Drinking, Surface and Ground Waters | Enterococci, presumptive and confirmed  | Method No 390 by membrane filtration (MoDW Part 5, 2012)  | A             |
|                                     | Enterococci   | Method 780 using the Enterolert System (MoDW Part 5, 2012)  | A             |
|                                     | Clostridium perfringens including spores, presumptive and confirmed   | Method No 360 by membrane filtration (MoDW Part 6, 2021)  | A             |
| Drinking, Surface and Ground Waters | Detection of:<br><br><i>Cryptosporidium</i> oocysts, confirmed and <i>Giardia</i> cysts, confirmed  | Method No 420 using Filta-Max xpress system, Filta-Max system, Genra filtration or membrane filtration (MODW part 14,2010)                      | A             |
| Drinking, Surface and Ground Waters | Total aerobic colony count at 37°C for 1 Day  | Method No 430 by pour plate, using YEA (MoDW Part 7, 2020)  | A             |



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|--|--|---|---------------|
| WATERS (cont'd)  | Sampling and Analysis for the purpose of enforcement of The Water Supply (Water Quality) Regulations 2018 (SI 2000/3184) | Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS) |               |
| From:<br>Water Treatment Works<br>Service Reservoirs<br>Consumers' Taps<br>Associated raw waters | <u>Sampling</u><br><br>For Chemical and Microbiological testing (including cryptosporidium)                              |   | D             |
| Drinking Water   | <u>On-site Testing</u><br><br>Free Chlorine<br>Total Chlorine  |   | D             |
| Drinking and Raw Waters From:<br>Household and Commercial Taps                                   | Sampling and on-site testing for the purpose of the enforcement of The Private Water Supplies (England) Regulations 2016 |   | D             |
| Drinking Water   | Sampling for Chemical and Microbiological Analysis<br><br>Free Chlorine<br>Total Chlorine                                |   | D             |



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|---|---|---|---------------|
| <b>SECTION 2</b>  |   |   |               |
| WATERS  | <u>Chemical Tests</u>                                 | Documented In-House Methods based on MEWAM Standing Committee of Analysts Methods |               |
| Process Waters  | Total Dissolved Solids at 105°C                       | Method No 170 by gravimetry (Blue Book 105, 1980)                                 | A             |
| Process waters, Drinking water (non-regulatory), Surface Water and Ground Water | Conductivity  | Method No 705 by manual conductivity meter  | A             |
| Process waters, Trade effluent and Treated Sewage                               | pH  | Method No 185 by Manual pH meter (Blue Book 14, 1978)                             | A             |
| Surface Water, Process Waters, Treated Sewage, and Trade Effluents              | Total Suspended Solids                                | Method No 310 by gravimetry (Blue Book 105, 1980)                                 | A             |
| Surface Water, Trade Effluent and Treated Sewage Effluent                       | Chemical Oxygen Demand                                | Method No 125 by test kit - colorimetry (Blue Book 215, 2007)                     | A             |



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| WATERS (cont'd)  | <u>Chemical Tests</u> (cont'd)  |  |               |
| Process Water (Heating and Cooling systems)  | Alkalinity<br>Ammonia<br>Chloride<br>Nitrite<br>Soluble Reactive Phosphate<br>Sulphate<br>Total Oxidised Nitrogen<br>Nitrate (by calculation) | Method 4095 using Smartchem analyser               | A             |
| Trade Effluent and Treated Sewage Effluent   | Ammonia<br>Chloride<br>Nitrite<br>Soluble Reactive Phosphate<br>Sulphate  | Method 4095 using Smartchem analyser               | A             |
| Treated Sewage Effluent  | Total Oxidised Nitrogen   | Method 4095 using Smartchem analyser               | A             |
| Surface Water, Treated Sewage Effluent and Trade Effluent (including WTW effluent) | Biochemical Oxygen Demand   | Method 720 by DO probe                             | A             |



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| WATERS (cont'd)                                  | <u>Microbiological Tests</u>  | Documented In-House Methods based on procedures in MODW Methodology                                   |               |
| Drinking, Recreational and Process Waters        | Isolation and enumeration of <i>Legionella pneumophila</i> serogroup 1, <i>Legionella pneumophila</i> serogroups 2-14 and <i>Legionella</i> species | Method No 350 based on ISO 11731:1998 and BS ISO 11731-2:2004 (withdrawn) by pre-concentration / GVPC | A             |
| Process Waters                                   | Enumeration of:<br>Total aerobic colony count at 30°C and 37°C 1 Day  | Method No 430 by pour plate, using YEA (MoDW Part 7, 2020)  |               |
| Recreational Water                               | Total aerobic colony count at 37°C 1 Day  |   | A             |
| Healthcare Waters                                | Total Viable Count @ 30°C   | Method No 3530 by membrane filtration   | A             |
| Swimming Pool and Spa Water                      | Coliforms, confirmed  | Method No 400 using the Colilert system (MoDW Part 4, 2016)   | A             |
|  | <i>Escherichia coli</i> , confirmed   | Method No 400 using the Colilert system   | A             |
|  | <i>Pseudomonas aeruginosa</i> presumptive and confirmed   | Method No 410 by membrane filtration (MoDW Part 8, 2015)  | A             |
| Process Water and Swimming Pool Water            | <i>Pseudomonas species</i> confirmed  | Method 3383 by membrane filtration  | A             |
| Process Water, Swimming Pool Water and Spa Water | Total aerobic colony count at 22 °C and at 37 °C  | Method No 430 by pour plate, using YEA (MoDW Part 7, 2020)  | A             |



1579  
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 East Water Ltd**  
**(trading as South East Water Scientific Services)**  
**Issue No: 083 Issue date: 23 July 2025**

Testing performed by the Organisation at the locations specified

| Materials/Products tested                  | Type of test/Properties measured/Range of measurement  | Standard specifications/ Equipment/Techniques used  | Location Code |
|--|--|---|---------------|
| WATERS (cont'd)<br><br>Swimming Pool Water | <u>Microbiological Tests</u> (cont'd)<br><br>Detection of:<br><br><i>Cryptosporidium</i> oocysts, confirmed<br>and <i>Giardia</i> cysts, confirmed | Documented In-House Methods based on procedures in MODW Methodology<br><br>Method No 420 using Filta-Max xpress system, Filta-Max system, Genra filtration or membrane filtration (MODW part 14,2010) | A             |
| END  |  |   |               |