Schedule of Accreditation

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UKAS TESTING **0905** **Accredited to ISO/IEC 17025:2017**	**Wessex Water Scientific Centre** **Issue No:** 091 **Issue date:** 20 October 2026	
	Mead Lane **Saltford** **Bristol** **BS31 3ER**	**Contact: Mr Craig Jarvis** **Tel: +44(0)122 552 6740** **Fax: +44 (0)122 552 8787** **Website: http://www.wessexwater.co.uk/solutions/scientific.htm**

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 Mead Lane Saltford Bristol BS31 3ER	**Local contact** Mr C Jarvis	Environmental Analysis	A

Site activities performed away from the locations listed above:

Location details		Activity	Location code
Wastewater Treatment Works	Mr Alex Jones	Sampling and on site testing	B
Cleanwater Treatment Works, Service Reservoirs and Domestic Premises	Abbie Warren-Turner	Sampling and on site testing	C
Water treatment works discharge – trade effluent to controlled water	Mr Alex Jones	Sampling and on site testing	D
Trade discharge to Wessex Water sewerage network	Mr Alex Jones	Sampling and on site testing	E

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SECTION 3 – ISO 17025 accredited only methods

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SECTION 1- DWTS & ISO17025			
WATERS, Drinking and Natural	Analysis for the purpose of enforcement of "The Water Supply (Water Quality)" (England) Regulations	Methodology meeting the requirements of The Drinking Water Testing Specification	
	<u>Chemical Tests</u>	Documented in house method:	
Drinking Waters	Chlorine	Mthd 3:402 DPD colorimetric (011 751 493 4, 1980)	A
Drinking Water, Surface Water, Ground Water	Turbidity	Mthd 3:400 (3:404) - Turbidity meter (011 751 955 3, 1981)	A
Drinking Water, Surface Water, Ground Water	Electrical conductivity	Mthd 3:400 (3:405) - Conductivity meter (011 751 428 4, 1978)	A
Drinking Water, Surface Water, Ground Water	pH	Mthd 3:400 (3:406) - pH meter (011 751 428 4, 1978)	A
Drinking Water, Surface Water, Ground Water	Fluoride	Mthd 3:408 - Ion Selective Electrode (011 751 662 7, 1982 (Pt 1A))	A
Drinking Water, Surface Water, Ground Water	Colour	Mthd 3:416 - Spectrophotometry at 400 nm (011 751 955 3, 1981)	A
Treated drinking waters (including treated surface and ground waters)	Bromate Bromide Chlorate Chlorite	Mthd 4.901 using Ion chromatography with conductivity and UV detection	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS, Drinking and Natural (cont'd)	Analysis for the purpose of enforcement of "The Water Supply (Water Quality)" (England) Regulations (cont'd)	Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS)	
	Chemical Tests (cont'd)	Documented in house method (cont'd)	
Drinking Water, Ground Water, Surface Water	Ammonia	Automated - Colorimetry by Discrete Autoanalyser Mthd 2:550 (011 751 613 9, 1981)	A
	Total Oxidised Nitrogen	Mthd 2:550 (011 751 593 0, 1981)	A
	Nitrite	Mthd 2:550 (011 751 593 0, 1981)	A
	Nitrate	Mthd 2:550 by Calculation (011 751 593 0, 1981)	A
	Orthophosphate	Mthd 2:550 (011 751 582 5, 1980)	A
	Chloride	Mthd 2:550 (011 751 626 0, 1981 (D))	A
	Sulphate	Mthd 2:550 (011 752 240 6, 1988)	A
	Silica	Mthd 2:550 (011 751 557 4, 1980)	A
	Alkalinity	Mthd 2:550 (011 751 601 5, 1981)	A
Drinking Water, Ground Water, Surface Water	Total Nitrogen	Mthd 2:440 – oxidation / colorimetry, SEAL AA3 segmented flow analyser	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS, Drinking and Natural (cont'd)	Analysis for the purpose of enforcement of "The Water Supply (Water Quality)" (England) Regulations (cont'd)	Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS)	
	Chemical Tests (cont'd)	Documented in house method (cont'd)	
Drinking Water, Surface Water, Ground Water	Aluminium Cadmium Calcium Copper Lead Iron Magnesium Manganese Nickel Potassium Sodium Zinc	Mthd 2:101 – Inductively Coupled Plasma – Mass Spectroscopy	A
Drinking Water, Surface Water, Ground Water	Antimony Arsenic Barium Boron Chromium Lanthanum Uranium	Mthd 2:102 – Inductively Coupled Plasma – Mass Spectroscopy	A
Drinking Water, Surface Water, Ground Water	Mercury Selenium	Mthd 2:103 – Inductively Coupled Plasma - Mass Spectroscopy	A
	Total Phosphorus	Mthd 2:974 - Inductively Coupled Plasma - Optical Emission Spectroscopy	A
	Total Organic Carbon (TOC) Dissolved Organic Carbon (DOC)	Mthd 2:430 – Continuous Flow Analyser with NDIR Detection	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS, Drinking and Natural (cont'd)	Analysis for the purpose of enforcement of "The Water Supply (Water Quality)" (England) Regulations (cont'd) <u>Chemical Tests</u> (cont'd)	Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS) Documented in house method (cont'd)	
Drinking waters (Odour in Untreated Raw waters)	Quantative Taste and Odour	Method 3:407 based on SCA blue book 2025 by taste and odour panel	A
WATERS: Drinking waters, Surface and Groundwaters	**Polynuclear Aromatic Hydrocarbons** Fluoranthene Benzo-b-fluoranthene Benzo-k-fluoranthene Benzo-a-pyrene Benzo-ghi-pyrene Indeno-pyrene	Mthd 4:406 - Solid Phase Extraction followed by HPLC with Fluorescence Detection (011 752 032 2, 1985)	A
Drinking, Surface Waters, and Ground Waters	**Organochlorine Pesticides**: 1,3,5 - Trichlorobenzene 1,2,4 - Trichlorobenzene 1,2,3 - Trichlorobenzene Pentachlorobenzene Beta Lindane Hexachlorobenzene Alpha-Endosulphan Dieldrin Beta-Endosulphan Dichlobenil Alpha-HCH Lindane [gamma-HCH] Heptachlor Epoxide 4,4-DDT	Method 4:340 by liquid/liquid extraction and GCMS analysis	A
Drinking & Ground Waters	Chlorothalonil	Method 4:340 by liquid/liquid Extraction and GCMS analysis	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS, Drinking and Natural (cont'd)	Analysis for the purpose of enforcement of "The Water Supply (Water Quality)" (England) Regulations (cont'd)	Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS)	
	Chemical Tests (cont'd)	Documented in house method (cont'd)	
WATERS, Drinking, Ground, Surface	**Volatile Organic Compounds**		A
	Benzene 1,2-dichloroethane Toluene Ethyl benzene o-xylene m+p-xylene Tetrachloromethane Bromoform Chloroform Bromodichloromethane Dibromochloromethane Trichloroethene Tetrachloroethene 1,1,1-trichloroethane Chlorobenzene MTBE Styrene Dichloromethane	Documented in house method Method 4:502 - Headspace GC-MS (ISBN 011 752 0047, 1984-85)	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS, Drinking and Natural (cont'd)	Analysis for the purpose of enforcement of "The Water Supply (Water Quality)" (England) Regulations (cont'd) <u>Chemical Tests</u> (cont'd)	Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS) Documented in house method (cont'd)	
Drinking and Raw (surface & ground) Waters	**Alkaline and Neutral Herbicides:** Desisopropylatrazine Metamitron Chloridazon Desethylatrazine Monuron Metribuzin Cyanazine Simazine Monolinuron Chlortoluron Methabenzthiaziuron Diuron Atrazine Isoproturon Metazachlor Linuron Propazine Terbuthylazine Trietazine Prometryn Terbutyrn Napropamide Azoxystrobin Metaldehyde Carbetamide Flufenacet Prosulfocarb	Method 4:332 by direct injection LC-QQQ	A
Drinking Waters, Raw (surface & ground) Waters	Geosmin 2-methylisoborneol	Method 4:516 by Solid Phase Extraction and GC-MS-MS	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS, Drinking and Natural (cont'd)	Analysis for the purpose of enforcement of "The Water Supply (Water Quality)" (England) Regulations (cont'd) <u>Chemical Tests</u> (cont'd)	Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS) Documented in house method (cont'd)	
Drinking and Raw (surface & ground) Waters	**Acidic Herbicides**, specifically: Clopyralid Picloram Dicamba Fluroxypyr Bentazone 2,4-D MCPA MCPB Triclopyr Mecoprop 2,4-DB Boscalid Quinmerac Propyzamide	Method 4:331 by direct injection and LC-MS-MS	
Drinking and Raw (surface & ground) waters	Microcystins, specifically: Microcystin LR Microcystin RR Microcystin YR	Method 4:321 by direct injection LCQQQ	

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)" (England) Regulations (cont'd)	Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS)	
WATERS, Drinking and Natural, and bottled water (Emergency provision of mains water in bottles)	Microbiological Tests	The Microbiology of Drinking Water (MDW) Environment Agency - Standing Committee of Analysts	
Drinking Water, Ground Water, Surface Water	Plate count at 22 °C and 37 °C	Mthd 3:302 - Yeast Extract Agar Mthd 3:353 (MDW part 7 2020)	A
Drinking Water, Surface Water, Ground Water	Coliform organisms Coliform organisms - confirmation	Mthd 3:301 – Membrane filtration Mthd 3:303 Mthd 3:304 - confirmation (MDW part 4 2016)	A
Drinking Water, Surface Water, Ground Water	*Escherichia coli* *Escherichia coli* - confirmation	Mthd 3:301 – Membrane filtration Mthd 3:303 Mthd 3:304 - confirmation (MDW part 4 2016)	A
Drinking Water, Surface Water, Ground Water	Clostridium perfringens	Mthd 3:301 – Membrane filtration Mthd 3:306 -(MDW part 6 2021)	A
Drinking Water, Surface Water, Ground Water	Faecal enterococci	Mthd 3:301 – Membrane filtration Mthd 3:307 (MDW part 5 2012)	A
Drinking Water, Ground Water	Pseudomonas aeruginosa	Mthd 3:301 – Membrane filtration Mthd 3:308 - MDW part 8 2015)	A
Drinking Waters, Surface and Groundwaters	Cryptosporidium	DWI SOP1363 isolation by Filta-max express, concentration by Dynabead (IDEXX) Mthd 3602 &3609, Staining by Mthd 3603 and Enumeration by Microscopy Mthod 3604 (MDW part 14 2010)	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Sampling and in situ testing for the purpose of enforcement of "The Water Supply (Water Quality)" (England) Regulations	Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS)	
DRINKING AND RAW WATERS From Reservoirs, Water Treatment Works and Household Drinking Water Taps	Sampling For Chemical and Microbiological testing	Documented In house method	C
	On site Free & Total Chlorine Measurement	Documented In house method 8.125 by colorimetry	C
	On site temperature measurement	Documented In house method	C
Water Treatment Works only	Sampling for Cryptosporidium	Documented In house method	C

END OF SECTION 1

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SECTION 2 MCERTS Waters & ISO17025			
WASTE WATERS	Chemical Tests	Documented In-House Methods 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 Effluent	Metals: Aluminium Iron Manganese Phosphorous	Method 2:980 using ICP-OES	A
	Metals: Cadmium Chromium Copper Zinc Lead Nickel Arsenic	Method 2:311 using ICP-MS	A
Treated Sewage Effluent,	Ammonia	Method 2.550 using Aquachem 600	A
Treated Sewage Effluent	Suspended Solids	Method 2:724 using gravimetry	A
Treated Sewage Effluent	pH	Method 2:721 using meter	A
Treated Sewage Effluent	Biochemical Oxygen demand	Method 2:722 using dissolved oxygen	A
Treated Sewage Effluent	Free Formaldehyde	Method 2:726 using Spectrometry	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WASTE WATERS (cont'd)	Sampling	Documented In-House Methods 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 Effluent (OSM)	Sampling for subsequent chemical testing	Documented in house method using grab sampling technique	B
	On site measurement of Temperature	Documented in house method using calibrated thermocouple	B
Trade Effluent (WTW effluent only	Sampling for subsequent Chemical testing	Documented in house method using grab sampling technique	D
	On site measurement of temperature	Documented in house method Using calibrated thermocouple	D
Trade Effluent to Controlled Water (ground water derived water treatment works effluent only)	Measurement of Free and Total Chlorine	Method 9:114 by electrochemical measurement using Kemio	D
Trade Effluent to Controlled Water (surface water derived water treatment works effluent only)	Measurement of Total Chlorine	Method 9:114 by electrochemical measurement using Kemio	D

END OF SECTION 2

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SECTION 3 – ISO17025 only methods			
WATERS	Chemical Tests	Documented in house method	
Treated Sewage Effluent, Untreated Sewage Effluent, Trade Effluent	Biochemical Oxygen Demand, Shaken, Settled, or Filtered at 5 day or 20 day	Mthd 2:702 - Incubation at 20 °C (011 751 212 0, 1988)	A
	Chemical Oxygen Demand, Shaken, Settled or Filtered, as received or at pH 7	Mthd 2:703 - Acid Dichromate - Colorimetric (011 751 915 4, 1986)	A
	Suspended Solids Suspended Solids (pH 7)	Mthd 2:704 - Gravimetric (011 751 957 X, 1981)	A
Treated Sewage Effluent, Untreated Sewage Effluent, Trade Effluent, Tanker Waste	Ammonia	Mthd 2:550 – Colourimetery by Discrete Analyser (011 751 613 9, 1981)	A
	Total Oxidised Nitrogen	Mthd 2:550 (011 751 593 0, 1981)	A
	Nitrite	Mthd 2:550 (011 751 593 0, 1981)	A
	Nitrate	Mthd 2:550 by Calculation (011 751 593 0, 1981)	A
	Orthophosphate	Mthd 2:550 (011 751 582 5, 1980)	A
	Chloride	Mthd 2:550 (011 751 626 0, 1981 (D))	A
	Sulphate	Mthd 2:550 (011 752 240 6, 1988)	A
Treated Sewage Effluent, Untreated Sewage Effluent	Alkalinity	Mthd 2:550 (011 751 601 5, 1981)	A
Treated Sewage Effluent, Untreated Sewage Effluent, Trade Effluent, Leachates	Mercury	Mthd 2:612 - Cold Vapour Atomic Fluorescence Spectroscopy (011 751 907 3, 1985)	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)	Documented in house method (cont'd)	
Treated Sewage Effluent, Trade Effluent and Raw Sewage Effluent, Surface River Waters	Total Organic Carbon (TOC) Dissolved Organic Carbon (DOC)	Mthd 2:430 – Continuous Flow Analyser with NDIR Detection	A
Treated Sewage Effluent, Untreated Sewage Effluent	Aluminium, Manganese, Iron Phosphorus	Mthd 2.970, 2.978 (sewage effluent) & 2:979 (sewage) by ICPOES	A
Surface Water, Treated Sewage Effluent, Untreated Sewage Effluent, Tanker Wastes, Leachates	Aluminium, Calcium, Iron Potassium, Magnesium, Manganese, Sodium	Mthd 2:972 by acid digestion & Inductively Coupled Plasma/Optical Emission Spectroscopy	A
Land Leachate, Untreated Sewage, Treated Sewage Effluent, Trade Effluents, Surface Water (River)	pH	Mthd 2:701 by pH meter	A
Trade Effluent, Untreated & Treated Sewage	Total Nitrogen	Mthd 2:440 – oxidation / colorimetry, SEAL AA3 segmented flow analyser	A
Trade Effluents, Surface Waters and Saline Waters	Conductivity	Mthd 2:718 - Conductivity meter (011 751 428 4, 1978)	A
Trade Effluents & Untreated Sewage Effluent	Oils and Greases	Mthd 2:740 – Pet Ether (40-60°C) extraction & gravimetry	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)	Documented in house method (cont'd)	
Trade Effluents	Phosphorus, Total	Mthd 2:975 by acid digestion & Inductively Coupled Plasma/Optical Emission Spectroscopy	A
Trade Effluents, Tanker Wastes, Leachates	Aluminium Arsenic Beryllium Cadmium Chromium Cobalt Copper Iron Lead Manganese Molybdenum Nickel Zinc	Mthd 2:973 by acid digestion & Inductively Coupled Plasma/Optical Emission Spectroscopy	A
	Microbiological Tests	The Microbiology of Drinking Water (MDW) Environment Agency - Standing Committee of Analysts	
Treated Sewage Effluent, Untreated Sewage Effluent, Recreational Waters (Swimming Pool)	Coliform organisms	Mthd 3:301 – Membrane filtration Mthd 3:303 (MDW part 4 2016)	A
	Coliform organisms - confirmation	Mthd 3:301 – Membrane filtration Mthd 3:304 (MDW part 4 2016)	A
	Escherichia coli	Mthd 3:301 – Membrane filtration Mthd 3:303 (MDW part 4 2016)	A
	Escherichia coli - confirmation	Mthd 3:304 (MDW part 4 2016)	A
	Faecal streptococci	Mthd 3:301 – Membrane filtration Mthd 3:307 (MDW part 5 2012)	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS, Recreational water (Swimming pool)	Microbiological Tests (cont'd)	The Microbiology of Drinking Water (MDW) Environment Agency - Standing Committee of Analysts	
	Plate count at 22 °C and 37 °C	Mthd 3:302 - Yeast Extract Agar Mthd 3:353 (MDW part 7 2020)	A
	Clostridium perfringens	Mthd 3:301 Mthd 3:306 - Membrane filtration (MDW part 6)	A
	Pseudomonas aeruginosa	Mthd 3:301 – Membrane filtration Mthd 3:308 MDW part 8 2015)	A
TRADE EFFLUENTS	Sampling		
	Sampling of Trade Effluent / Wastewater for subsequent chemical testing at a laboratory accredited to ISO/IEC 17025:2017	Sampling using documented in-house methods	
Trade Effluent	Manual or pumped spot sampling	Documented in-house method 6:101	E
	On site measurement of pH	Documented in-house method 6:110 by pH meter	E
SLUDGES & SOILS	Chemical Tests	Documented In-House Methods	
Sludges	Dry and volatile solids	Mthd 2:801 - Gravimetric after drying at 105 °C and ignition at 550 °C (011 751 787 9, 1984)	A
	Phosphates, Total	Mthd 2:550 - Colorimetry/Discrete Autoanalyser	A
	Nitrogen, Total	Mthd 2:807 - Elementar Rapid N - Combustion in oxygen	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SLUDGES & SOILS (cont'd)	Chemical Tests (cont'd)	Documented In-House Methods (cont'd)	
Sludges (cont'd)	Arsenic Cadmium Chromium Copper Lead Molybdenum Nickel Zinc	Mthd 2:803 - Acid digestion Mthd 2:351 - Measurement - Inductively Coupled Plasma - Mass Spectroscopy	A
	Magnesium, Total Sulphur, Total	Mthd 2:977 by acid digestion & Inductively Coupled Plasma/Optical Emission Spectroscopy	A
	Aluminium Calcium Iron Potassium Manganese	Mthd 2:972 by acid digestion & Inductively Coupled Plasma/Optical Emission Spectroscopy	A
	Ammoniacal Nitrogen	Mthd 2:820 by Aqueous Extraction and Mthd 2:550 analysis by Aquakem discrete analyser	A
Soils and Sludges	Mercury	Mthd 2:805 by Acid digestion and Atomic Fluorescence Spectroscopy (AFS)	A
Sewage Sludges, Digesting & Digested	Volatile Fatty Acids	Mthd 2:709 by UV/VIS Spectrophotometry	A
Soils	Arsenic Cadmium Chromium Copper Lead Molybdenum Nickel Zinc	Mthd 2:802 - Acid digestion Mthd 2:352 - Measurement - Inductively Coupled Plasma - Mass Spectroscopy	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SLUDGES & SOILS (cont'd)	Chemical Tests (cont'd)	Documented In-House Methods (cont'd)	
Soils, Sludges	pH	Mthd 2:804 - pH meter (011 751 252 4) 1977 Mthd 2:701 – pH Meter	A
Soils	Potassium Magnesium	Mthd 2:815 – Ammonium Nitrate Extraction and Mthd 2:976 - Measurement by ICP - OES	A
SLUDGES	Microbiological Tests		
Sludges: Raw & Digested	*E.coli* (Detection & Enumeration)	Mthd 3:525 using MLGA Reported as *E.coli* count/g dry Weight by calculation	A
Sludges: Raw, Digested, & Lime Treated	*E.coli* (Detection & Enumeration)	Mthd 3:531 based on Microbiology of Sewage Sludge Part 3: 2024 Method C using IDEXX Colilert-18 Quantitray 2000 Reported as *E.coli* count/g dry Weight by calculation	A
END			