


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 Accredited to ISO/IEC 17025:2005	Eurofins Environmental Testing UK Ltd	
	Issue No: 072 Issue date: 23 July 2015	
	Valiant Way Wolverhampton WV9 5GB	Contact: Suzanne King Tel: +44 (0)1902 627200 Fax: +44 (0)1902 627296 E-Mail: suzanneking@eurofins.co.uk Website: www.eurofins.co.uk

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 Acton Laboratory 28-32 Brunel Road Acton London W3 7XR	Local contact Mr Lee Bollen Tel: +44 (0)20 8222 6070 Fax: +44 (0)20 8222 6080 Email: analysis@eurofins.co.uk	<u>Testing:</u> Microbiological <u>Support Functions:</u> Sample receipt and distribution	A
Address Wolverhampton Laboratory Valiant Way Wolverhampton WV9 5GB	Local contact Suzanne King Tel: +44 (0)1902 627200 Fax: +44 (0)1902 627296 Email: analysis@eurofins.co.uk	<u>Testing:</u> Chemical <u>Support Functions:</u> Sample receipt and distribution	W



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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
SOILS	<u>Microbiological Tests</u>		
Sludges (granule, cake, liquid, and lime treated)	<i>E coli</i>	Documented In-House Method RS1 using Colilert, based on "The Microbiology of Sewage Sludge" (2003), Part 3	A
	<u>Chemical Tests</u>		
Waters	<u>Non-polar pesticides:</u>		
Drinking water Surface water Ground water Bottled waters	Endrin Isodrin	ORW.14- Method for the determination of Non-polar pesticides and other selected compounds using solvent extraction & GC-MSMS.	W
Surface waters	pH	Documented In-house Method INW.22 using the Gilson 215 Liquid Handler	W
Ground water Surface water	Dalapon TCA (Trichloroacetic Acid)	Documented In-house method ORW.08 using solid phase Extraction and GC/MS/MS	W
Crude sewage Sludge Sludge Cake Granules	Dry solid material Organic and volatile material Moisture content	Documented In-House Method INS.01 using gravimetry	W



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS	Analysis for the purpose of enforcement of The Water Supply (Water Quality) Regulations 2000 (SI 2000/3184)	Where applicable the methodology meeting the requirements of The Drinking Water Testing Specification	
	<u>Microbiological Tests</u>	Documented In-House Methods based on "The Microbiology of Drinking Water" series unless stated otherwise	
Drinking waters Ground waters Surface waters Hot water systems Closed system water Treated sewage effluent Swimming pool water	Isolation and Enumeration of: - Colony count - 1 Day @ 37°C - Colony count - 2 Day @ 37°C - Colony count - 3 Day @ 22°C	Documented In-House Method MW3 based on "The Microbiology of Drinking Water" Part 7 2012	A
Cooling tower water	Isolation and Enumeration of: - Colony count - 3 Day @ 30°C	Documented In-House Method MW3 based on "The Microbiology of Drinking Water" Part 7 2012	A
Drinking waters Ground waters Surface waters	- Presumptive Sulphite - Reducing Clostridial Spores and vegetative cells	Documented In-House Method MW5 based on "The Microbiology of Drinking Water" Part 6 2010	A
Drinking waters Ground waters Surface waters Closed system water Treated sewage effluent	- Pseudomonas spp (confirmed)	Documented In-House Method MW4 based on "The Microbiology of Drinking Water" Part 8 2010	A
Drinking waters Ground waters Surface waters Treated sewage effluent Swimming pool water	- <i>Pseudomonas aeruginosa</i>	Documented In-House Method MW4 based on "The Microbiology of Drinking Water" Part 8 2010	A
Drinking waters Ground waters Surface waters Treated sewage effluent	- Faecal <i>Enterococci</i>	Documented In-House Method MW6 based on "The Microbiology of Drinking Water" Part 5 2010	A



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WATERS	Analysis for the purpose of enforcement of The Water Supply (Water Quality) Regulations 2000 (SI 2000/3184)	Where applicable the methodology meeting the requirements of The Drinking Water Testing Specification	
WATERS (cont'd)	<u>Microbiological Tests</u> (cont'd)	Documented In-House Methods based on "The Microbiology of Drinking Water" series unless stated otherwise (cont'd)	
Drinking waters Ground waters Surface waters Treated sewage effluent	<i>Clostridium perfringens</i> (presumptive and confirmed)	Documented In-House Method MW5 based on "The Microbiology of Drinking Water" Part 6 2010	A
Drinking waters Cooling tower water Hot water systems Swimming pool water	Isolation and Enumeration of : - <i>Legionella</i> spp <i>Legionella pneumophila</i> , serogroup 1 <i>Legionella pneumophila</i> , serogroups 2-14	Documented In-House Method MW7 based on ISO 1171:1998	A
Drinking waters filtered through Genera Filters	Cryptosporidium	Documented In-House Method based on "The Microbiology of Drinking Water" Part 14 2010	A
Drinking waters Ground waters Surface waters Waste waters Swimming pool waters Hot water systems	Total Coliforms and <i>Escherichia coli</i>	Documented In-House method MW9 using Membrane Filtration (MLGA) based on "The Microbiology of Drinking Water" Part 4 2009 Section B	A
	Total Coliforms and <i>Escherichia coli</i>	Documented In-House method MW10 using Membrane Filtration (MLGA) based on "The Microbiology of Drinking Water" Part 4 2009 using alternative confirmation with microtitre plates	A



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WATERS	Analysis for the purpose of enforcement of The Water Supply (Water Quality) Regulations 2000 (SI 2000/3184)	Where applicable the methodology meeting the requirements of The Drinking Water Testing Specification	
Drinking waters Ground waters Surface waters	<u>Chemical Tests</u>		
	Alkalinity	Documented In-House Method INW.06 using Automated and Manual titration based on DOE/SCA	W
	Colour	Documented In-House Method INW.05 by automated colorimetric analysis	W
	Conductivity	Documented In-House Method INW.06 based on DOE/SCA using an automated conductivity meter	W
	Conductivity	Documented In-house Method INW.22 using the Gilson 215 Liquid Handler	W
Drinking waters Ground waters Surface waters	Bromate	Documented In-House Method INW.03 using Ion Chromatography with UV detection	W
	Kjeldahl Nitrogen (by calculation: Total N minus TON)	Documented In-House Method by calculation	W
	pH	DOE/SCA + Documented In-House Method INW.06 using automated pH electrode	W
Drinking waters Ground waters	pH	Documented In-house Method INW.22 using the Gilson 215 Liquid Handler	W
Drinking waters Ground waters Surface waters	Turbidity	Documented In-house Method INW.08 using DOE/SCA using Nephelometry	W



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WATERS	Analysis for the purpose of enforcement of The Water Supply (Water Quality) Regulations 2000 (SI 2000/3184)	Where applicable the methodology meeting the requirements of The Drinking Water Testing Specification	
Drinking water Surface water Ground water	<u>Chemical Tests (cont'd)</u> Cyanide (Total)	Documented in house method INW.18 using segmented continuous flow colourimetry	W
	Non-purgeable organic carbon (total or dissolved)	Documented in-house method ORW.17 using Formacs ^{HT} Total Organic Carbon Analyser	W
	Ammonium Chloride Nitrate Nitrite o-Phosphate Sulphate Total Oxidised Nitrogen Fluoride	Documented In-House Method INW.05 by automated colorimetric analysis	W
Surface waters	Chlorophyll a Phaeophytin	Documented In-House Method INW.10 based on ISO/DIS 10260 using Spectrophotometry	W



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<p>WATERS</p> <p>Drinking waters Ground waters Surface waters</p>	<p>Analysis for the purpose of enforcement of The Water Supply (Water Quality) Regulations 2000 (SI 2000/3184)</p> <p><u>Chemical Tests (cont'd)</u></p> <p><u>Volatile Organic Compounds</u></p> <p>Vinyl Chloride MTBE 1,1 Dichloroethane Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride Benzene 1,2 Dichloroethane Trichloroethene Bromodichloromethane 1,3 Dichloropropene (cis) 1,3 Dichloropropene (trans) Toluene 1,1,2 Trichloroethane Tetrachloroethene Chlorodibromomethane Chlorobenzene Ethylbenzene Xylene (ortho) Xylene (meta,para) Styrene Bromoform 1,1,2,2 Tetrachloroethane 1,3 Dichlorobenzene 1,4 Dichlorobenzene 1,2 Dichlorobenzene Naphthalene</p>	<p>Where applicable the methodology meeting the requirements of The Drinking Water Testing Specification</p> <p>Documented In-House Method ORW.11 based on ISO 78-2:1999 using ITEX GC-MS</p>	<p>W</p>
<p>Drinking Waters Ground Waters Surface Waters Bottled waters (ISO 17025 only)</p>	<p>Polynuclear Aromatic Hydrocarbons: Anthracene Fluoranthene Benzo (b) fluoranthene Benzo (k) fluoranthene Benzo (a) pyrene Benzo (ghi) perylene Indeno (1,2,3-cd) pyrene</p>	<p>Documented In House Method ORW.18 for determination of Polyaromatic Hydrocarbons using solvent extraction & HPLC with Fluorescence detection</p>	<p>W</p>



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<p>WATERS</p> <p>Waters (cont'd)</p> <p>Drinking water Ground water Surface water Bottled water</p>	<p>Analysis for the purpose of enforcement of The Water Supply (Water Quality) Regulations 2000 (SI 2000/3184)</p> <p>Chemical Tests (cont'd)</p> <p>Non-polar pesticides: 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,3,5-Trichlorobenzene 4n-Nonylphenol 4t-Octylphenol a-HCH Alachlor Aldrin Azinphos-ethyl Azinphos-methyl b-HCH Bromophos-ethyl Bromophos-methyl Carbophenothion Chlorfenvinphos Chlorothalonil Chlorpropham Chlorpyrifos-ethyl Chlorpyrifos-methyl Chlorthal dimethyl cis-Chlordane cis-Permethrin Coumaphos Cyfluthrin Cypermethrin d-HCH Diazinon Dichlobenil Dieldrin Diflufenican Disulfoton Endosulfan A Endosulfan B Ethion Fenitrothion Fenpropidin Fenthion g-HCH (Lindane) HCBd</p>	<p>Where applicable the methodology meeting the requirements of The Drinking Water Testing Specification</p> <p>Documented In-house method ORW.14 for the determination of Non-polar pesticides and other Selected compounds using solvent & GC-MSMS</p>	<p>W</p>



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WATERS	Analysis for the purpose of enforcement of The Water Supply (Water Quality) Regulations 2000 (SI 2000/3184)	Where applicable the methodology meeting the requirements of The Drinking Water Testing Specification	
WATERS (cont'd)	<u>Chemical Tests (cont'd)</u>		
Drinking water Surface water Ground water Bottled water	Non-polar pesticides: Heptachlor Heptachlor epoxide A Heptachlor epoxide B Heptenophos Hexachlorobenzene Iprodione Isobenzan Malathion Mercarbam Methoxychlor o,p'-DDE o,p'-DDT o,p'-TDE(DDD) p,p'-DDE p,p'-DDT p,p'-TDE(DDD) Parathion-ethyl Parathion-methyl PCB 028 PCB 052 PCB 101 PCB 118 PCB 138 PCB 153 PCB 180 Pendimethalin Pentachlorobenzene Phorate Phosalone Pirimiphos-ethyl Pirimiphos-methyl Propetamphos Tecnazene Tetradifon trans-Chlordane trans-Permethrin Triallate Triazophos Trifluralin	Documented In-house method ORW.14 for the determination of Non-polar pesticides and other Selected compounds using solvent Extraction & GC-MSMS	W



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WATERS	Analysis for the purpose of enforcement of The Water Supply (Water Quality) Regulations 2000 (SI 2000/3184)	Where applicable the methodology meeting the requirements of The Drinking Water Testing Specification	
WATERS (cont'd)	<u>Chemical Tests (cont'd)</u>		
Drinking waters Surface waters Ground waters Bottled waters	Polar pesticides and other selected compounds: Bendiocarb Demeton-s-methyl Dichlorvos Dimethoate Mevinphos Methiocarb Propachlor	Documented In-House Method ORW.15- using solvent extraction & GC-MSMS	W
Drinking waters Surface waters Ground waters	Metaldehyde	Documented In-House Method ORW.13 using solid phase Extraction followed by GC/MS	W
	Phenoxyalkanoic Acid Herbicides: MCPB 2,4,5-T 2,3,6-TBA Chlorthal (DCPA) Triclopyr 2,4 DB Ioxynil Bromoxynil Dicamba Mecoprop MCPA Dichlorprop 2,4-D Bentazone Benazolin Pentachlorophenol Fenoprop Fluroxypyr Picloram Clopyralid	Documented In-House Method ORW.01 using solid phase extraction, derivatisation and GC-MS	W



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WATERS	Analysis for the purpose of enforcement of The Water Supply (Water Quality) Regulations 2000 (SI 2000/3184)	Where applicable the methodology meeting the requirements of The Drinking Water Testing Specification	
WATERS (cont'd)	<u>Chemical Tests (cont'd)</u>		
Drinking waters Surface waters Ground waters	Miscellaneous Herbicides: Atrazine Simazine Propazine Prometryne Trietazine Terbutryn Desmetryn Propiconazole Triadimefon Tebuconazole Flutriafol Flusilazole Cyproconazole Terbutylazine Chlortoluron Isoproturon Diuron Linuron Carbetamide Methabenzthiazuron Cyanazine Pirimicarb Metoxuron Monolinuron Carbendazim Bromacil	Documented In-House Method ORW.03 using direct aqueous injection and LC-MS/MS	W
	Total Petroleum Hydrocarbons and Banding (C11-C12, >C12-C16, >C16-C21, >C21-C35, >C35-C39)	Documented In-House Method ORW.10 using GC-FID	W
Drinking waters Ground waters Surface waters Bottled waters	Glyphosate AMPA	Documented In House Method OWR.16 by SPE Extraction and Analysis by LCMSMS	W



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WATERS	Analysis for the purpose of enforcement of The Water Supply (Water Quality) Regulations 2000 (SI 2000/3184)	Where applicable the methodology meeting the requirements of The Drinking Water Testing Specification	
WATERS (cont'd)	<u>Chemical Tests (cont'd)</u>		
Drinking Water	Quantitative Taste Quantitative Odour	Documented In-House Method GEW.01 based on SCA "The determination of taste and odour in drinking waters (2014)" using assessed panel	W
Drinking Waters Ground Waters Surface Waters	<u>Metals</u> Aluminium Antimony Arsenic Barium Beryllium Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel Potassium Selenium Silicon Silver Sodium Strontium Titanium Vanadium Zinc	Documented In-House Method INW.13 using ICP-MS	W
	Mercury	Documented In-House Method INW.11 using CV-AFS	W



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WATERS (cont'd)	<u>Chemical Tests</u> (cont'd)		
Saline Waters	Chemical oxygen demand (Whole, settled or filtered)	Documented In-House Method INW.04 using spectrophotometry (Dr Lange method)	W
Saline Waters	Saline biochemical oxygen demand (Whole, settled or filtered)	Documented In-House Method INW.02 using Automated Dissolved Oxygen Electrode	W
Untreated Sewage Treated Sewage Effluent Trade Effluents		Documented In-House Methods based on Methods for the examination of Waters and Associated Materials, Department of the Environment Standing Committee of Analysts (DOE/SCA)	
Treated Sewage Effluent Trade Effluents	Alkalinity	Documented In-House Method INW.06 using automated and manual titration	W
	Biochemical Oxygen-Demand (Whole, settled or filtered)	Documented In-House Method INW.02 using Automated Dissolved Oxygen Electrode	W
Untreated Sewage Treated Sewage Effluent Trade Effluents	Colour	Documented In-House Method INW.05 by automated colorimetry	W
	Conductivity	Documented In-House Method INW.06 using an automated conductivity meter	W
	Conductivity	Documented In-house Method INW.22 using the Gilson 215 Liquid Handler	W
	Chemical Oxygen-Demand (Whole, settled or filtered)	Documented In-House Method INW.04 using Dr Lange's method	W
	Kjeldahl Nitrogen (by calculation)	Calculation method	W
	pH	Documented In-House Method INW.06 based on DOE/SCA by automated pH electrode	W



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WATERS (cont'd)	<u>Chemical Tests</u> (cont'd)		
Untreated Sewage Treated Sewage Effluent Trade Effluents	pH	Documented In-house Method INW.22 using the Gilson 215 Liquid Handler	W
	Suspended solids: - Suspended solids @ 105°C - Suspended solids @ 500°C - pH7 adjusted - Rapidly settled solids - Settled solids	Documented In-House Method INW.07 based on DOE/SCA by gravimetry	W
Treated Sewage Effluent	Turbidity	Documented In-House Method INW.08 based on DOE/SCA using nephelometry	W
Treated Sewage Effluent	Ammonium Chloride Nitrate Nitrite o-Phosphate Sulphate Total Oxidised Nitrogen Fluoride	Documented In-House Method INW.05 by automated colorimetric analysis	W
Treated Sewage Effluent	Total organic carbon	Documented In-House Method ORW.09 using UV oxidation followed by non-dispersive IRSpectrophotometry	W
Treated Sewage Effluent Trade effluent	Non-purgeable organic carbon (total or dissolved)	Documented in-house method ORW.17 using Formacs ^{HT} Total Organic Carbon Analyser	W



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<p>WATERS (cont'd)</p> <p>Treated sewage effluent</p>	<p><u>Chemical Tests</u> (cont'd)</p> <p>Non-polar pesticides: 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,3,5-Trichlorobenzene 4n-Nonylphenol 4t-Octylphenol a-HCH Alachlor Aldrin Azinphos-ethyl Azinphos-methyl b-HCH Bromophos-ethyl Bromophos-methyl Carbophenothion Chlorfenvinphos Chlorothalonil Chlorpropham Chlorpyrifos-ethyl Chlorpyrifos-methyl Chlorthal dimethyl cis-Chlordane cis-Permethrin Coumaphos Cyfluthrin Cypermethrin d-HCH Diazinon Dichlobenil Dieldrin Diflufenican Disulfoton Endosulfan A Endosulfan B Endrin Ethion Fenitrothion Fenpropidin Fenpropimorph Fenthion g-HCH (Lindane) HCBd Heptachlor Heptachlor epoxide A Heptachlor epoxide B Heptenophos</p>	<p>ORW.14- Method for the determination of Non-polar pesticides and other selected compounds using solvent extraction & GC-MSMS.</p>	<p>W</p>



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<p>WATERS (cont'd)</p> <p>Treated sewage effluent</p>	<p><u>Chemical Tests</u> (cont'd)</p> <p>Non-polar pesticides:</p> <p>Hexachlorobenzene Iprodione Isobenzan Isodrin Malathion Mercarbam Methoxychlor o,p'-DDE o,p'-DDT o,p'-TDE(DDD) p,p'-DDE p,p'-DDT p,p'-TDE(DDD) Parathion-ethyl Parathion-methyl PCB 028 PCB 052 PCB 101 PCB 118 PCB 138 PCB 153 PCB 180 Pendimethalin Pentachlorobenzene Phorate Phosalone Pirimiphos-ethyl Pirimiphos-methyl Propetamphos Propham Propyzamide Pyrazaphos Tecnazene Tetradifon trans-Chlordane trans-Permethrin Triallate Triazophos Trifluralin</p>	<p>ORW.14- Method for the determination of Non-polar pesticides and other selected compounds using solvent extraction & GC-MSMS</p>	



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WATERS (cont'd)	<u>Chemical Tests</u> (cont'd)		
Treated sewage effluent.	Polar pesticides and other selected compounds: Bendiocarb Demeton-s-methyl Dichlorvos Dimethoate Mevinphos Methiocarb Propachlor	ORW.14- Method for the determination of Non-polar pesticides and other selected compounds using solvent extraction & GC-MSMS.	W
Treated sewage effluent	Volatile Organic Compounds: Vinyl Chloride MTBE 1,1 Dichloroethane Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride Benzene 1,2 Dichloroethane Trichloroethene Bromodichloromethane 1,3 Dichloropropene (cis) 1,3 Dichloropropene (trans) Toluene 1,1,2 Trichloroethane Tetrachloroethene Chlorodibromomethane Chlorobenzene Ethylbenzene Xylene (ortho) Xylene (meta,para) Styrene 1,1,2,2 Tetrachloroethane 1,3 Dichlorobenzene 1,4 Dichlorobenzene 1,2 Dichlorobenzene 1,2,4 Trichlorobenzene 1,2,3 Trichlorobenzene 1,3,5 Trichlorobenzene Naphthalene	Documented in-house method ORW.11 based on ISO78-2:1999 using ITEX GC-MS	W
Treated Sewage Effluent	Glyphosate AMPA	Documented In House Method ORW.16 by SPE Extraction and Analysis by LCMSMS	W



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WATERS (cont'd)	<u>Chemical Tests</u> (cont'd)		
Treated Sewage Effluent	Phenoxyalkanoic Acid Herbicides and other compounds: MCPB 2,4,5-T 2,3,6-TBA Chlorthal dimethyl Triclopyr 2,4 DB Ioxynil Bromoxynil Dicamba Mecoprop MCPA Dichlorprop 2,4-D Bentazone Benazolin Pentachlorophenol Fenoprop Fluroxypyr Picloram	Documented In-House Method ORW.01 using solid phase extraction, derivatisation and GC/MS	W
Treated Sewage Effluent	Miscellaneous Pesticides: Atrazine Simazine Propazine Prometryne Trietazine Terbutryn Desmetryn Propiconazole Triadimefon Tebuconazole Flutriafol Flusilazole Cyproconazole Terbuthylazine Chlortoluron Isoproturon Diuron Linuron Carbetamide Methabenzthiazuron Cyanazine Pirimicarb	Documented In-House Method ORW.03 using direct aqueous injection and LC-MS/MS	W



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WATERS (cont'd)	<u>Chemical Tests</u> (cont'd)		
Treated Sewage Effluent	Miscellaneous Pesticides (cont'd): Metoxuron Monolinuron Carbendazim Bromacil	Documented In-House Method ORW.03 using direct aqueous injection and LC-MS/MS	W
Treated Sewage Effluent	Polynuclear Aromatic Hydrocarbons: Anthracene Fluoranthene Benzo (b) fluoranthene Benzo (k) fluoranthene Benzo (a) pyrene Benzo (ghi) perylene Indeno (1,2,3-cd) pyrene	Documented In House Method ORW.18 for determination of Polyaromatic Hydrocarbons using solvent extraction & HPLC with Fluorescence detection	W
Treated Sewage Effluent	Total Petroleum Hydrocarbons and Banding (C11-C12, >C12-C16, >C16-C21, >C21-C35, >C35-C39)	Documented In-House Method ORW.10 using GC-FID	W
Untreated Sewage Treated Sewage Effluent Trade Effluents Leachates	<u>Metals</u> Aluminium Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel Phosphorus Potassium Silver Sodium Strontium Tin Vanadium Zinc	Documented In-House Method INW.15 using ICP-OES	W



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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)		
	<u>Metals</u> Arsenic Antimony Selenium	Documented In-House Method INW.12 using AFS	W
	Mercury	Documented In-House Method INW.11 using CV-AFS	W
Leachates Ground water Surface water	Biochemical Oxygen Demand	Documented In-House Method INW.02 by automated analyser	W
Ground water Surface water	Chemical Oxygen Demand	Documented In-House Method INW.04 using Spectrophotometry	W
	Alkalinity	Documented In-House Method INW.06 using automated titration based on DoE/SCA method	W
	Ammonium Total Oxidised Nitrogen Phosphate	Documented In-House Method INW.05 by automated colorimetric analysis	W
Leachates Closed system waters	Chloride Nitrite Sulphate	Documented In-House Method INW.05 by automated colorimetric analysis	W
	pH	Documented In-House Method INW.06 by automated pH electrode	W
	pH	Documented In-house Method INW.22 using the Gilson 215 Liquid Handler	W
	Electrical Conductivity	Documented In-House Method INW.06 by automated conductivity meter	W
	Conductivity	Documented In-house Method INW022 using the Gilson 215 Liquid Handler	W



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WASTE WATER		Documented in House Methods to meet the requirements of the Environment Agency MCERTS Performance Standard (Waters) - sampling and chemical testing of untreated sewage, sewage effluent and trade effluent	
	<u>Chemical Testing</u>	Documented In-House Methods based on Methods for the examination of Waters and Associated Materials, Department of the Environment Standing Committee of Analysts (DOE/SCA)	
Treated sewage effluent	Volatile Organic Compounds: Chloroform Trichloroethylene Tetrachloroethylene	Documented In-House Method ORW.11 using ITEX GC-MS	W
Untreated Sewage Treated Sewage Effluent	Ammonia	Documented In-House Method INW.05 by automated colorimetric analysis	W
Untreated Sewage Treated Sewage Effluent Trade Effluents to Controlled Waters	Biochemical Oxygen Demand	Documented In-House Method INW.02 using Automated Dissolved Oxygen Electrode	W
Untreated Sewage Treated Sewage Effluent Trade Effluents to Controlled Waters	Suspended solids (105 °C)	Documented In-House Method INW.07 based on DOE/SCA by gravimetry	W
Untreated Sewage Treated Sewage Effluent	Chemical Oxygen Demand	Documented In-House Method INW.04 using Spectrophotometry	W
Untreated Sewage Treated Sewage Effluent	Sulphate	Documented In-House Method INW.05 using Spectrophotometry	W
Untreated Sewage Treated Sewage Effluent	Nitrite	Documented In-House Method INW.05 using Spectrophotometry	W



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WASTE WATER		Documented in House Methods to meet the requirements of the Environment Agency MCERTS Performance Standard (Waters) - sampling and chemical testing of untreated sewage, sewage effluent and trade effluent	
	<u>Chemical Testing (Cont'd)</u>	Documented In-House Methods based on Methods for the examination of Waters and Associated Materials, Department of the Environment Standing Committee of Analysts (DOE/SCA)	
Untreated Sewage Treated Sewage Effluent	<u>Metals</u> Aluminium Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel Phosphorus Potassium Silver Sodium Strontium Tin Vanadium Zinc	Documented In-House Method INW.15 using ICP-OES	W
Untreated Sewage Treated Sewage Effluent	<u>Metals</u> Arsenic Antimony Selenium	Documented In-House Method INW.12 using AFS	W
Untreated Sewage Treated Sewage Effluent	Mercury	Documented In-House Method INW.11 using CV-AFS	W



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WASTE WATER		Documented in House Methods to meet the requirements of the Environment Agency MCERTS Performance Standard (Waters) - sampling and chemical testing of untreated sewage, sewage effluent and trade effluent	
	<u>Chemical Testing</u> (Cont'd)	Documented In-House Methods based on Methods for the examination of Waters and Associated Materials, Department of the Environment Standing Committee of Analysts (DOE/SCA)	
Trade Effluents to Controlled Waters	<u>Metals</u> Aluminium Arsenic Iron	Documented In-House Method INW014 using ICP-MS	W
END			