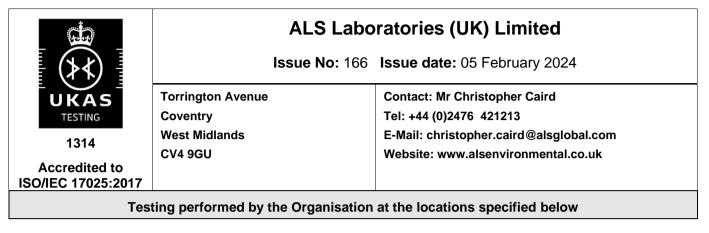
Schedule of Accreditation

issued by

United Kingdom Accreditation Service

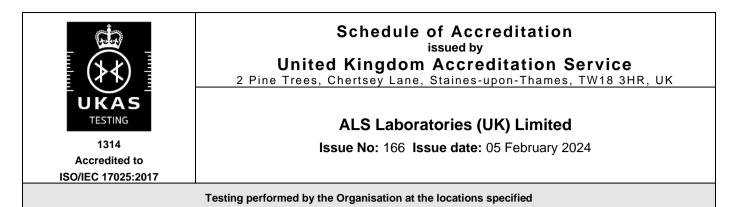
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK



Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Coventry Laboratory Torrington Avenue Coventry West Midlands CV4 9GU	Local contact: Ms C Peacock Tel: +44 (0)2476 856458 E-Mail: claire.peacock@alsglobal.com	Testing: Inorganic chemistry Organic chemistry Microbiology	Coventry
Address <u>Wakefield Laboratory</u> Unit 11, Silkwood Park Janes Hill Off Albert Drive Wakefield WF5 9TG	Local contact: Mr J Mace Tel: +44 (0)1924 818108 E-Mail: jonathan.mace@alsglobal.com	Testing: Inorganic chemistry Organic chemistry Microbiology Radiochemistry	Wakefield
Address <u>DOL Laboratory</u> Units 7 & 8 Hawarden Business Park Manor Road, off Manor Lane Hawarden Deeside CH5 3US	Local contact: Mr J Mace Tel: +44 (0)1924 818108 E-Mail: jonathan.mace@alsglobal.com	Testing: Inorganic chemistry Organic chemistry	DOL
Address Dublin Service Centre Unit D12, North City Enterprise Park, North Road Dublin 11	Local Contact : Mr C Caird Tel: +44 (0)2476 421213 E-Mail: christopher.caird@alsglobal.com	Customer Services / Contract Review, Courier Services, Sample Registration and Storage	Dublin



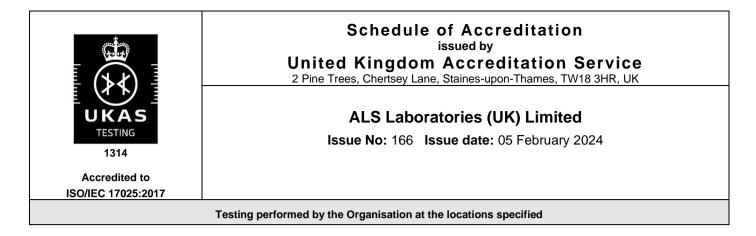
Site activities performed away from the locations listed above:

Location details	Activity
Sewage Treatment Works Water Treatment Works	Sampling and on-site testing
Customer taps and service reservoirs	Sampling and on-site testing
Customer Sites requiring Gas sampling	Sampling of Landfill gases Sampling of Biogenic gases
Customer Sites requiring Waste water sampling	Sampling of Ground Water, Surface Water and Trade effluent
Customer Sites requiring sampling for Legionella analysis	Sampling of Drinking Water (non-regulatory), Process Water and Recreational water

This schedule is ordered as follows:

- Section 1 Coventry Laboratory
- Section 2 Wakefield Laboratory
- Section 3 DOL Laboratory
- Section 4 Sampling and On-site testing

Note: Accreditation to MCERTS automatically confers an equivalent accreditation to ISO/IEC17025. Note: Accreditation to DWTS automatically confers an equivalent accreditation to ISO/IEC17025.



SECTION 1 DETAIL OF ACCREDITATION at the COVENTRY LABORATORY

Coventry Tests – <u>Inorganics</u>						
Alkalinity	Biological Oxygen Demand (BOD)	Chemical Oxygen Demand (COD)	Colour			
Colour Scan	<u>Cyanide</u>	Dissolved Oxygen (DO)	<u>Fluoride</u>			
Formaldehyde	Hexavalent Chromium	Inhalable & Respirable Particulate Matter	<u>Monohydroxyphenol</u>			
Non-Ionic Detergents	Nutrients	Nutrients Low Level	Particulate Matter			
pH & Conductivity	PM10 or PM2.5 Particulate Matter	Turbidity	Suspended Solids & Ashed Solids			
Thiocyanate	Total and Kjeldahl <u>Nitrogen</u>	Total Solids & Dissolved Solids	Sulphide			
Total Solids	Low Level Orthophosphate	Total Organic Carbon (TOC)				

Coventry Tests – <u>Metals</u>						
Mercury Metals by ICP-MS Metals by ICP-OES Metals by ICP-MS						

Coventry Tests – <u>Organics</u>						
Acid Herbicides and Benzonitrile Herbicides	Bromide, Sulphate and Chloride	BTEX, Trihalomethanes, Chlorinated Solvents, Styrene, and MTBE	Dissolved Oestrogenic Steroids			
Emerging Organic Contaminants by HRAM- LCMS	Emerging Organic Contaminants by LCMSMS	Extractable Hydrocarbons (EH) C6-C40	Extractable Petroleum Hydrocarbons (EPH) C10- C44			
Hexabromocyclododecane (HBCDD)	Low Level Volatile Organic Compounds by Headspace GCMS	Mecoprop	<u>Organotins</u>			
Pesticides	Phenols and Chlorophenols	Phenoxyalkanoic Herbicides and Phenolic Compounds	Phosphate Esters			

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Coventry Tests – <u>Organics</u>						
Polynuclear Aromatic Hydrocarbons	Polynuclear Aromatic Hydrocarbons (DLLME)	Pyridine				
<u>Semi Volatile Organic</u> Compounds (SVOCs)	Substituted Urea Herbicides	Trace Level Pesticides by GC-MSMS with NCI	Trace Level Pesticides and Selected Non-Polar Organic Compounds by GC-MSMS EI			
Volatile Fatty Acids	Volatile Organic Compounds by Headspace GCMS	Volatile Petroleum Hydrocarbons C5-C10	Bisphenol A			
Poly and Perfluorinated Alkyl Substances (PFAS)	Solvents by Headspace	Benzotrizole & Tolytriazole				

Coventry Tests – Microbiology & Cryptosporidium								
Algae	<u>Chlorophyll</u>	<u>Clostridia</u>	<u>Cryptosporidium</u>					
E. coli per gram dry weight by membrane filtration	<u>E coli per gram dry weight</u> <u>MPN</u>	<u>Enterococci</u>	Enterococci in Waste & Environmental Waters					
Heterotrophic plate count	Legionella	Pseudomonas aeruginosa	Pseudomonas spp					
Salmonella spp	Taste and Odour	Total coliforms and E. coli						
Total Coliforms, Faecal Coliforms and E. coli in Waste & Environmental Waters Total Viable Count in Process and Purified Waters Zooplankton								

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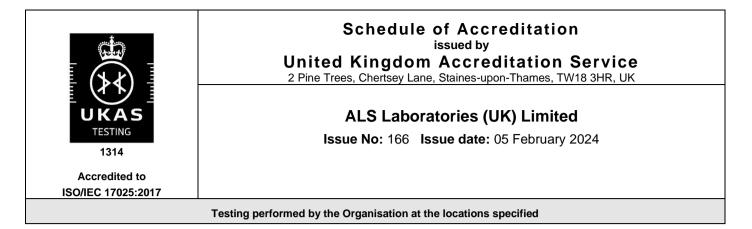
INORGANICS TESTS - COVENTRY LABORATORY

Alkalinity Autotitration Documented In-House Method Based Upon (ISBN 0117516015, 1981) WAS025										
Surface Water										
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC ISO/IEC ISO/IEC ISO/IEC ISO/IEC ISO/IEC ISO/IEC ISO/IEC ISO/IEC								

Biochemcial Oxygen Demand (BOD) BOD robot and oxygen probes									
Documented In-House Method Based Upon (BS EN ISO 5815-1:2019) WAS001									
	Where qu	oted MCERTS	performance s	tandard - chen	nical testing of	WATERS			
Surface Water									
ISO/IEC 17025									

Chemical Oxygen Demand (COD) Closed digestion with colorimetric analysis Documented In-House Method Based Upon								
	(ISBN: 011 7519154, 1986) WAS040 Where quoted MCERTS performance standard - chemical testing of WATERS							
Surface Water	Surface Ground Treated Untreated Trade to Trade to Land Prepared							
ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	MCERTS	MCERTS	ISO/IEC 17025	ISO/IEC 17025	

Colour Spectrophotometric Analysis Documented In-House Method Based Upon (ISBN: 0117519553, 1981) WAS065						
Surface Water	Surface Water Treated Sewage Trade to Sewer Process Water Recreational Water					
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		



Colour Scan					
	Spectrophotor	netric Analysis			
	Documented In	-House Method			
	WAS	5027			
Where qu	oted MCERTS performance s	standard - chemical testing of	WATERS		
Treated Sewage Untreated Sewage Trade to Sewer Trade to controlled					
MCERTS	MCERTS	MCERTS	MCERTS		

	Cyanide Continuous flow with UV digestion where required Documented In-House Method Based Upon (ISBN: 0117522198, 1988) WAS018 Where guoted MCERTS performance standard - chemical testing of WATERS							
Analyte	Surface Ground Treated Trade to Trade to Land Process							
Free Cyanide	ISO/IEC 17025	ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Total Cyanide	ISO/IEC 17025	ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Complex Cyanide (calculation)								
Cyanide: Total excluding iron cyanides	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	

Dissolved Oxygen Titration				
Documented In-House Method WAS052				
Ground Water	Treated Sewage			
ISO/IEC 17025	ISO/IEC 17025			

Fluoride Ion Selective Electrode Documented In-House Method Based Upon (ISBN 011 751662 7, 1982) WAS029							
Surface Water							
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025

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Free Formaldehyde Konelab discrete analyser Documented In-House Method Based Upon (ISBN: 0117516902, 1982) WAS030					
Treated Sewage Trade to Sewer Trade to Controlled					
ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025					

Hexavalent Chromium Konelab discrete analyser Documented In-House Method Based Upon (ISBN: 0875532357, 1999) WAS031						
Surface Water	Surface Water Ground Water Treated Sewage Trade to Sewer Land Leachate					
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		

Inhalable & Respirable Particulate Matter Gravimetry	
Documented In-House Method Based Upon (MDHS 14/4:2014)	
Method 75	
Filter Papers	
ISO/IEC 17025	

Monohydroxyphenol					
	Cold	primetric by Continuous	flow		
	Document	ted In-House Method Ba	ased Upon		
	(IS	BN: 0-87553-161-X, 199	90)		
		WAS019			
Wh	ere quoted MCERTS pe	erformance standard - ch	nemical testing of WATE	RS	
Ground Water Treated Sewage Trade to Sewer Land Leachate Prepared Leachate					
ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	

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Non-ionic Detergents Konelab discrete analyser Documented In-House Method WAS032				
Treated Sewage	Trade to Sewer	Land Leachate		
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		

Nutrients Konelab discrete analyser Documented In-House Method WAS036 Where quoted MCERTS performance standard - chemical testing of WATERS									
AnalyteSurfaceTreatedUntreatedTrade toLandCleanRecreationationWaterSewageSewageSewerLeachateWaterWater									
Ammonia	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		
Total Oxidised Nitrogen (TON)	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		
Nitrate (calculation)	ISO/IEC 17025								
Nitrite	ISO/IEC 17025								
Orthophosphate	ISO/IEC 17025	MCERTS	ISO/IEC 17025						
Chloride	ISO/IEC 17025								
Sulphate	ISO/IEC 17025								

	Nutrients Low Level Konelab discrete analyser Documented In-House Method WAS067 Where guoted MCERTS performance standard - chemical testing of WATERS						
Analyte	Analyte Ground Water Treated Sewage Trade to Sewer						
Ammonia	Ammonia ISO/IEC 17025 MCERTS ISO/IEC 17025						

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Soluble Reactive Orthophosphate Low Level Gallery Plus discrete analyser Documented In-House Method WAS077

Treated Sewage

ISO/IEC 17025

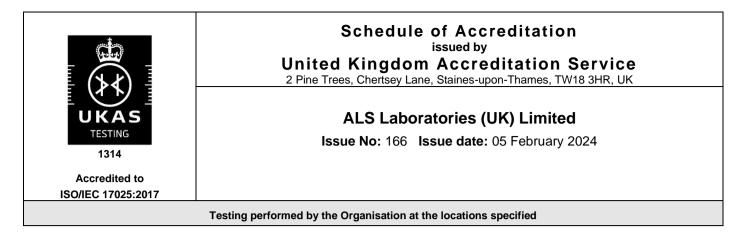
Particulate Matter Gravimetry Documented In-House Method Based Upon (Vallack Protocol, 1995) Method 74

Washings Collected using Frisbee Deposition Gauges

ISO/IEC 17025

	pH & Conductivity Automated and Manual probe									
	Documented In-House Method Based Upon (ISBN: 0117514284, 1978)									
	Where	e quoted N	/CERTS p	-	VAS039 ce standar	d - chemic	al testing	of WATE	RS	
Analyte	Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled	Land Leachate	Prepared Leachate	Process Water	Recreational Water
рН	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	MCERTS	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Conductivity (Automated)	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	None	None	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
Conductivity (Manual)	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	None	None	ISO/IEC 17025	None	ISO/IEC 17025	None

PM10 or PM2.5 Particulate Matter					
Gravimetry					
Documented In-House Method Based Upon					
(BS EN 12341:2014)					
Method 76					
Filter Papers					
ISO/IEC 17025					

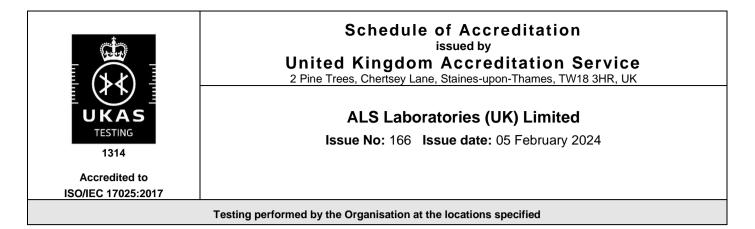


Suspended Solids & Ashed Solids @ 450°C Gravimetric Analysis Documented In-House Method Based Upon (ISBN: 011751957X, 1980)									
WAS006 Where guoted MCERTS performance standard - chemical testing of WATERS									
Analyte	Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled	Prepared Leachate	Process Water	Recreational Water
Suspended Solids ISO/IEC 17025 ISO/IEC MCERTS MCERTS MCERTS MCERTS MCERTS ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025									
Ashed Solids	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	None	None

Thiocyanate Konelab discrete analyser Documented In-House Method Based Upon (ISBN: 0117519340, 1985) WAS034						
Surface Water Ground Water Treated Sewage Trade to Sewer Land Leachate Prepared Leachate Leachate Prepared Leachate Leachate Leachate						
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	

Total and Kjeldahl Nitrogen Continuous flow with UV/persulphate oxidation Documented In-House Method WAS022 Where quoted MCERTS performance standard - chemical testing of WATERS								
Analyte	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled	Surface Water			
Total Nitrogen	MCERTS	MCERTS	MCERTS	MCERTS	ISO/IEC 17025			
Kjeldhal Nitrogen (calculation)	Kjeldhal MCERTS MCERTS MCERTS ISO/IEC 17025							

	Total Dissolved Solids @ 180°C Gravimetric Analysis Documented In-House Method Based Upon (ISBN: 011751957X, 1980) WAS010								
Surface Water							Recreational Water		
ISO/IEC 17025									



Total Solids @ 105°C Gravimetric Analysis Documented In-House Method Based Upon (ISBN: 011751957X, 1980) WAS010						
Ground Water Treated Sewage Untreated Sewage Trade to Sewer Land Leachate Process Water						
ISO/IEC 17025						

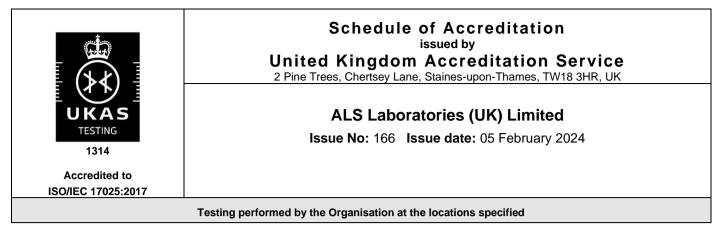
Total Organic Carbon (TOC) IR Analysis Documented In-House Method Based Upon (ISBN: 0117529796, 1995) WAS005							
Ground Water	Ground Water Treated Sewage Untreated Sewage Trade to Sewer Land Leachate Prepared Leachate						
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		

De	Total Solids Gravimetric Analysis Documented In-House Method Based Upon (ISBN: 0117517879, 1984) CON 10					
Land (part of which is Soil)	Sodimont					
ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025						

	Turbidity Nephelometric Analysis Documented In-House Method Based Upon										
Uocumented In-House Method Based Upon (ISBN: 0117519553, 1981) WAS066 Where guoted MCERTS performance standard - chemical testing of WATERS											
Surface Water											
ISO/IEC 17025	ISO/IEC 17025 ISO/IEC 17025 MCERTS ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025										

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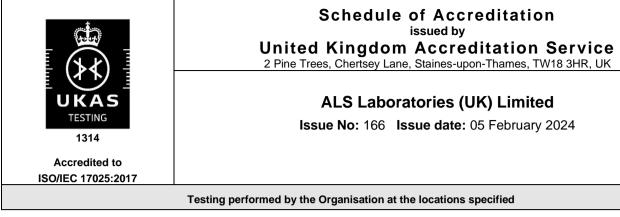
Sulphide Spectrophotometric Analysis Documented In-House Method Based Upon (ISBN: 0117517186, 1983) WAS033										
Surface Water	Surface Water Ground Water Treated Sewage Land Leachate Trade to Sewer Process Water									
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025					



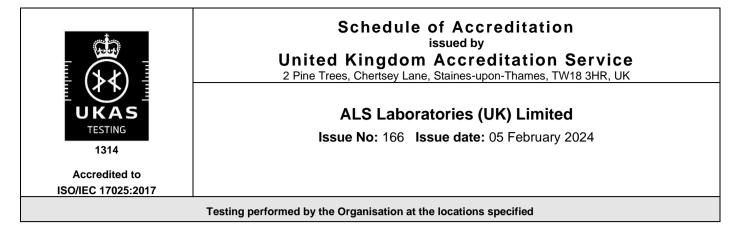
METALS TESTS - COVENTRY LABORATORY

Mercury Cold Vapour Fluorescence Documented In-House Method Based Upon (ISBN 0117519073, 1985)											
w	WAS013 Where guoted MCERTS performance standard - chemical testing of WATERS										
Analyte	Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled	Land Leachate	Prepared Leachate	Process Water		
Total Mercury	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	MCERTS	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		
Dissolved Mercury	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	MCERTS	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		

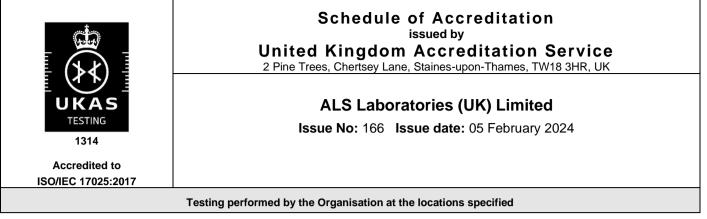
	Metals by ICP-MS Total and Dissolved metals by ICP-MS Documented In-House Method WAS076												
	WASUTO Where quoted MCERTS performance standard - chemical testing of WATERS												
Analyte	Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled	Land Leachate	Prepared Leachate	Process Water	Recreational Water			
Aluminium	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Antimony	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	None	None			
Arsenic	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Barium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Beryllium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Boron	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Cadmium	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Calcium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Chromium	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Cobalt	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Copper	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Iron	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Lead	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Lithium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			



					s by ICP-I								
				and Dissol			ИS						
	WAS076 Where quoted MCERTS performance standard - chemical testing of WATERS												
Analyte	Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled	Land Leachate	Prepared Leachate	Process Water	Recreational Water			
Manganese	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Magnesium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Molybdenum	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Nickel	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Phosphorus	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Potassium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Selenium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Sodium	ISO/IEC 17025	ISO/IEC 17025	MCERTS total only ISO/IEC 17025	MCERTS total only ISO/IEC 17025	ISO/IEC 17025	MCERTS total only ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Strontium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Tellurium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	None			
Thallium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	None			
Tin	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	None			
Titanium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Uranium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	None			
Vanadium	ISO/IEC 17025	ISO/IEC 17025	MCERTS total only ISO/IEC 17025	MCERTS total only ISO/IEC 17025	ISO/IEC 17025	MCERTS total only ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Zinc	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Calcium Hardness	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Magnesium Hardness	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Total Hardness	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			

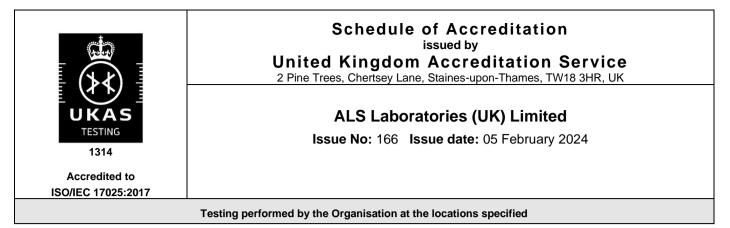


			Total and D	Metals by IC Dissolved m nented In-H WASO	etals by ICI ouse Metho				
Analyte	Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled	Land Leachate	Process Water	Recreational Water
Aluminium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Barium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Beryllium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Boron	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Cadmium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Calcium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Chromium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Cobalt	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Copper	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Iron	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Lead	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Lithium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Manganese	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Magnesium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Molybdenum	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Nickel	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Phosphorus	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Potassium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Silver	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Sodium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Strontium	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	None	None



	Metals by ICP-OES Total and Dissolved metals by ICP-OES Documented In-House Method WAS049											
Analyte	Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled	Land Leachate	Process Water	Recreational Water			
Sulphur (total only)	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	None	None			
Thallium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Tin	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Titanium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Vanadium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Zinc	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Calcium Hardness	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Magnesium Hardness	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Total Hardness	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			

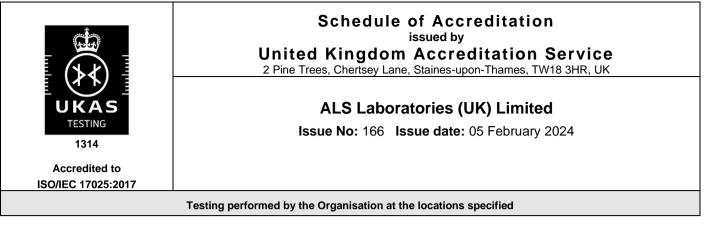
Metals by ICP-MS Dissolved metals by ICP-MS Documented In-House Method WAS072 Where quoted MCERTS performance standard - chemical testing of WATERS								
Analyte Treated Sewage								
Cadmium	MCERTS							
Copper	MCERTS							
Lead	MCERTS							
Nickel	Nickel MCERTS							
Zinc	MCERTS							



ORGANICS TESTS - COVENTRY LABORATORY

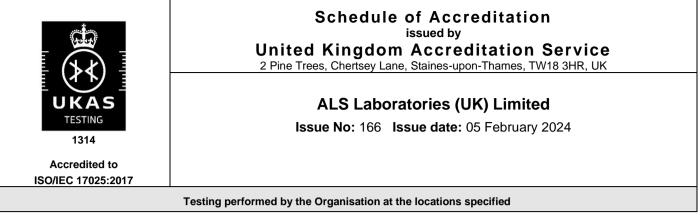
	Acid Herbicides and Benzonitrile Herbicides Solid Phase Extraction, GC-MS Documented In-House Method Based Upon (ISBN: 0117518867, 1985) GEO 20												
Analyte	Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Land Leachate							
2,3,6-TBA	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025							
2,4,5-T	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025							
2,4-D	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025							
2,4-DB	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025							
Benazolin	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025							
Bentazone	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025							
Bromoxynil	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025							
Clopyralid	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025							
Dicamba	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025							
Dichlorprop	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025							
Fenoprop	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025							
loxynil	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025							
MCPA	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025							
МСРВ	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025							
Mecoprop	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025							
Pentachlorophenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025							
Trichlopyr	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025							

Bromide, Sulphate and Chloride IC Documented In-House Method Based Upon (ISBN: 011-752331-3, 1990) CON 27											
Analyte	Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Land Leachate	Prepared Leachate	Process Water	Recreational Water		
Bromide	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	None		
Chloride	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	None		



	Bromide, Sulphate and Chloride IC Documented In-House Method Based Upon (ISBN: 011-752331-3, 1990) CON 27											
Analyte	Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Land Leachate	Prepared Leachate	Process Water	Recreational Water			
Sulphate	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Nitrate	None	None	None	None	None	None	None	ISO/IEC 17025	ISO/IEC 17025			
Nitrite												
TON (calculation)	None	None	None	None	None	None	None	ISO/IEC 17025	ISO/IEC 17025			

	BTEX, Trihalomethanes, Chlorinated Solvents, Styrene, and MTBE Headspace GC-MS Documented In-House Method GEO 56							
W	nere quoted	MCERTS p	erformance	standard - c	hemical test	ting of WATE	ERS	
Analyte	Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled	Land Leachate	Prepared Leachate
1,1,1 Trichloroethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
1,1,2, Trichloroethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
1,1,2,2 Tetrachloroethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
1,2 Dichloroethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
Benzene	ISO/IEC 17025	ISO/IEC 17025	MCERTS	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	ISO/IEC 17025
Bromodichlorometh ane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
Bromoform	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
Carbon Tetrachloride	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
Chloroform	ISO/IEC 17025	ISO/IEC 17025	MCERTS	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	ISO/IEC 17025
Dibromochlorometh ane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
Ethylbenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
m&p Xylene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
MTBE	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
o Xylene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025



BTEX, Trihalomethanes, Chlorinated Solvents, Styrene, and MTBE Headspace GC-MS Documented In-House Method GEO 56 Where quoted MCERTS performance standard - chemical testing of WATERS								
vv		MCERTS P	enomance	Stanuaru - C				-
Analyte	Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled	Land Leachate	Prepared Leachate
Styrene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
Tetrachloroethene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
Toluene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
Trichloroethene	ISO/IEC 17025	ISO/IEC 17025	MCERTS	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	ISO/IEC 17025

Dissolved Oestrogenic Steroids Solid Phase Extraction, GC-MSMS Documented In-House Method GEO 75					
Analyte	Surface Water	Ground Water	Saline Water		
Estrone ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025					
17-β-Estradiol ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025					
17-α-Ethynylestradiol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		

Emerging Organic Contaminants Online SPE, HRAM LC-MS Documented In-House Method GEO 82				
Analyte	Surface Water	Ground Water	Saline Water	
Atrazine	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Bentazone	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Cloridazon	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
DEHP	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Dichloroprop-p	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Diuron	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Isoproturon	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Mecoprop	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Metribuzin	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	

UKAS TESTING 1314	Schedule of Accreditation issued by United Kingdom Accreditation Service 2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK
	ALS Laboratories (UK) Limited Issue No: 166 Issue date: 05 February 2024
Accredited to ISO/IEC 17025:2017	
	Testing performed by the Organisation at the locations specified

Emerging Organic Contaminants Online SPE, HRAM LC-MS Documented In-House Method GEO 82				
Analyte	Surface Water	Ground Water	Saline Water	
Pentachlorophenol ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025				
PFOA	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
PFOS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	

Emerging Organic Contaminants Online SPE, LC-MSMS Documented In-House Method GEO 83				
Analyte	Surface Water	Ground Water	Saline Water	
Dichlorvos	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Diclofenac	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
MCPA	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Metsulfuron-methyl	ISO/IEC 17025	ISO/IEC 17025	None	
Pirimicarb	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Simazine	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Sulfosulfuron	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Triclosan	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	

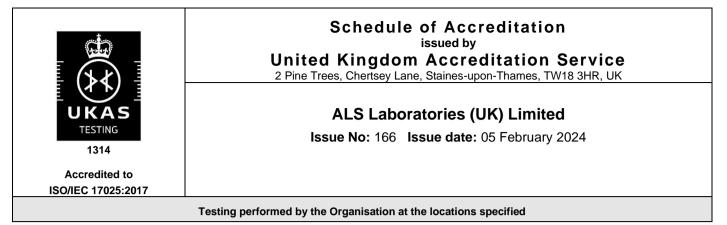
BISPHENOL A On-line trace enrichment, LC-MSMS Documented In-House Method GEO 91					
Surface Water	Ground Water	Saline Water	Process Water (High Purity & DI Water)		
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		

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Testing performed by the Organisation at the locations specified				

Extractable Hydrocarbons (EH) C6-C40 Liquid/liquid Extraction, GC-FID Documented In-House Method GEO 35				
Drinking Water (non regulatory)	Treated Sewage	Prepared Leachate		
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		

Extractable Petroleum Hydrocarbons (EPH) C10-C44 Liquid/liquid Extraction, GC-FID Documented In-House Method GEO 46					
Analyte	Drinking Water (non regulatory)	Treated Sewage	Prepared Leachate		
Total EPH C10-C44	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		
Aromatic/Ali	Aromatic/Aliphatic fractionation and quantification according to carbon banding, typically:				
>C10-C12	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		
>C12-C16	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		
>C16-C21	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		
>C21-C44	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		
>C10-C16	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		
>C16-C24	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		
>C24-C44	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		

Hexabromocyclododecane (HBCDD) Liquid/liquid Extraction, LC-MSMS Documented In-House Method GEO 80				
Analyte	Surface Water	Ground Water	Saline Water	
HBCDD(Total)	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
alpha-HBCDD	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
beta-HBCDD	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
gamma-HBCDD	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	



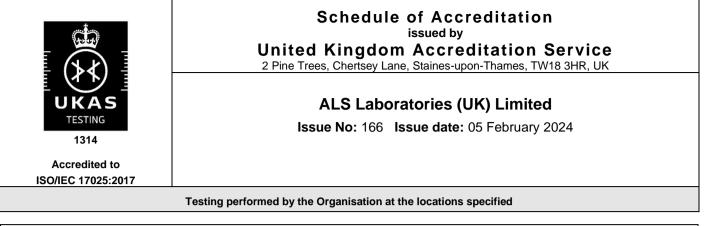
Low Level Volatile Organic Compounds Headspace GC MS Documented In-House Method GEO 85							
Analyte	Surface Water	Ground Water	Saline Water				
1,1,1-Trichloroethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
1,1,2-Trichloroethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
1,1-Dichloroethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
1,2-Dichloroethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
1,2-Dichloropropane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
Benzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
Carbon Tetrachloride	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
Chloroform	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
cis-1,2-Dichloroethene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
Dichloromethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
Ethylbenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
m.p-Xylene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
Naphthalene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
o-Xylene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
Tetrachloroethene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
Toluene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
Total xylene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
trans-1,2-Dichloroethene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				
Trichloroethene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025				

Mecoprop Liquid/liquid Extraction, GC-MS Documented In-House Method GEO 49							
Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Land Leachate			
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			

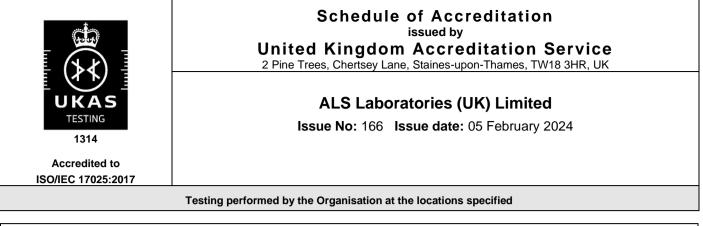
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Organotins Liquid/liquid Extraction, GC-MS Documented In-House Method GEO 24							
Analyte	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Land Leachate	Prepared Leachate	
Tri-n-butyltin	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Triphenyltin	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	

Pesticides Sequential Liquid/liquid and Solid Phase Extraction, GC-MSMS Documented In-House Method										
Where	e auoted MCERTS	GEO 47 Sperformance stan		sting of WATERS						
Analyte	Surface Water	Treated								
1,2,3 Trichlorobenzene	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025					
1,2,4 Trichlorobenzene	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025					
2,4 D-methyl Ester	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025					
2,4 D-n-butyl Ester	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025					
2,4, D-ethyl Ester	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025					
2,4-D-iso-butyl Ester	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025					
Alachlor	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025					
Aldrin	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025					
alpha Endosulphan	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025					
alpha-HCH	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025					
Ametryn	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025					
Atrazine	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025					
Azinphos ethyl	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025					
Azinphos methyl	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025					
beta Endosulphan	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025					
beta-HCH	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025					
Carbophenothion	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025					
Chlorfenvinphos	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025					
Chlorpropham	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025					
Chlorpyrifos	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025					



Pesticides Sequential Liquid/liquid and Solid Phase Extraction, GC-MSMS Documented In-House Method GEO 47									
Whe	Where quoted MCERTS performance standard - chemical testing of WATERS								
Analyte	Surface Water	Ground Water	Treated Sewage	Trade to Sewer	Land Leachate				
cis-Chlordane	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				
Coumaphos	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				
Cyanazine	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				
Cyfluthrin	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025				
Cypermethrin	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025				
Diazinon	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025				
Dichlobenil	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				
Dichlorvos	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025				
Dieldrin	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025				
Diflufenican	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				
Dimethoate	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				
Endrin	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025				
EPTC	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				
Ethofumesate	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				
Fenitrothion	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				
Fenpropidin	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				
Fenthion	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				
gamma-HCH	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025				
Heptachlor	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				
Heptachlor epoxide	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				
Hexachlorobenzene	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025				
Isodrin	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025				
Malathion	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				
Mevinphos	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				
op'-DDE	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025				
op'-DDT	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025				
op'TDE	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				
Parathion ethyl	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025				



Pesticides Sequential Liquid/liquid and Solid Phase Extraction, GC-MSMS Documented In-House Method GEO 47								
Wher	e quoted MCERTS	•=•		sting of WATERS				
Analyte	Surface Water	Surface Water Ground Water Treated Sewage Trade to Se						
Parathion methyl	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
PCB 28	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
PCB 52	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
PCB 101	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
PCB 118	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
PCB 138	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
PCB 153	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
PCB 180	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
Pendimethalin	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
Pentachlorobenzene	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
cis-Permethrin	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025			
trans-Permethrin	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025			
Total Permethrin (sum of cis and trans)	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025			
Phorate	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
Phosalone	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
Pirimicarb	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
Pirimiphos Methyl	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
pp'-DDE	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025			
pp'-DDT	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025			
pp'-TDE	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025			
Prometryn	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
Propachlor	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
Propazine	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
Propetamphos	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025			
Propyzamide	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
Simazine	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025			
Tecnazene	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			

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Pesticides Sequential Liquid/liquid and Solid Phase Extraction, GC-MSMS Documented In-House Method GEO 47 Where quoted MCERTS performance standard - chemical testing of WATERS								
Analyte Surface Water Ground Water Treated Sewage Trade to Sewer Land Leachate								
Terbutryn	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
trans-Chlordane	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
Triademefon	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
Triallate	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
Triazophos	ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025			
Trietazine	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			
Trifluralin	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025			

Wher	Phenols and Chlorophenols Solid Phase Extraction, GC-MS Documented In-House Method GEO 18 Where quoted MCERTS performance standard - chemical testing of WATERS									
Analyte	Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled	Land Leachate	Prepared Leachate		
Phenol (high and low level)	ISO/IEC 17025	ISO/IEC 17025	MCERTS	ISO/IEC 17025	MCERTS	MCERTS	ISO/IEC 17025	ISO/IEC 17025		
2-chlorophenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025		
4-chlorophenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025		

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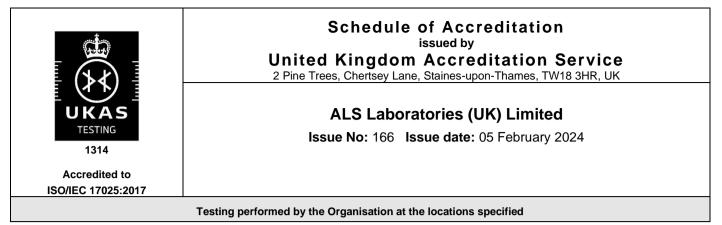
Phenols and Chlorophenols Solid Phase Extraction, GC-MS Documented In-House Method								
GEO 18 Where quoted MCERTS performance standard - chemical testing of WATERS								
Analyte	Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled	Land Leachate	Prepared Leachate

Phenoxyalkanoic Herbicides and Phenolic Compounds Solid Phase Extraction, GC-MSMS Documented In-House Method GEO 73 Where quoted MCERTS performance standard - chemical testing of WATERS								
Analyte Surface Water Treated Sewage Trade to Sewer								
2,4,6-Trichlorophenol	ISO/IEC 17025	MCERTS	MCERTS					
2,4-D	ISO/IEC 17025	MCERTS	MCERTS					
2,4-DB	ISO/IEC 17025	MCERTS	MCERTS					
2,4-DP (Dichlorprop)	ISO/IEC 17025	MCERTS	MCERTS					
2,4-Dichlorophenol	ISO/IEC 17025	MCERTS	MCERTS					
4-Chloro-2-Methylphenol	ISO/IEC 17025	MCERTS	MCERTS					
4-n-Nonyl Phenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025					
MCPA	ISO/IEC 17025	MCERTS	MCERTS					
MCPB	ISO/IEC 17025	MCERTS	MCERTS					
MCPP (Mecoprop)	ISO/IEC 17025	MCERTS	MCERTS					
Pentachlorophenol	ISO/IEC 17025	MCERTS	MCERTS					

Phosphate Esters Liquid/liquid Extraction, GC-MSMS Documented In-House Method Method 326 Where quoted MCERTS performance standard - chemical testing of WATERS				
Analyte Treated Sewage				
tris(2-chloroethyl)phosphate (TCEP) MCERTS				
tris(2-chloropropyl)phosphate (TCPP)	MCERTS			

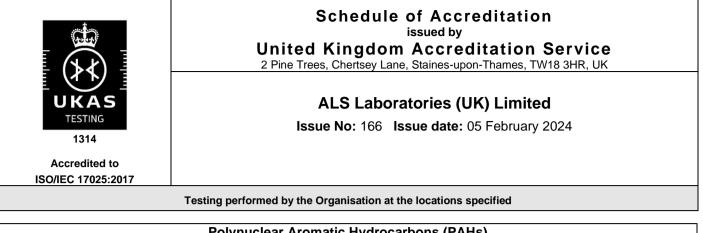
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Poly and Perfluorinated Alkyl Substances (PFAS) SPE Extraction, HRAM LC-MS Documented In-House Method GEO 88					
Analyte	Surface Water	Ground Water			
PFBA (375-22-4)	ISO/IEC 17025	ISO/IEC 17025			
PFPeA (2706-90-3)	ISO/IEC 17025	ISO/IEC 17025			
PFHxA (307-24-4)	ISO/IEC 17025	ISO/IEC 17025			
PFHpA (375-85-9	ISO/IEC 17025	ISO/IEC 17025			
PFOA (335-67-1)	ISO/IEC 17025	ISO/IEC 17025			
PFNA (375-95-1)	ISO/IEC 17025	ISO/IEC 17025			
PFDA (335-76-2)	ISO/IEC 17025	ISO/IEC 17025			
PFUnA; PFUdA (2058-94-8)	ISO/IEC 17025	ISO/IEC 17025			
PFDoA (307-55-1)	ISO/IEC 17025	ISO/IEC 17025			
PFTrDA; PFTriA (72629-94-8)	ISO/IEC 17025	ISO/IEC 17025			
PFTeA (376-06-7)	ISO/IEC 17025	ISO/IEC 17025			
PFHxDA (67905-19-5)	ISO/IEC 17025	ISO/IEC 17025			
PFODA (16517-11-6)	ISO/IEC 17025	ISO/IEC 17025			
PFBS (375-73-5)	ISO/IEC 17025	ISO/IEC 17025			
PFPeS (2706-91-4)	ISO/IEC 17025	ISO/IEC 17025			
PFHxS (355-46-4)	ISO/IEC 17025	ISO/IEC 17025			
PFHpS (375-92-8)	ISO/IEC 17025	ISO/IEC 17025			
PFOS (1763-23-1)	ISO/IEC 17025	ISO/IEC 17025			
PFNS (68259-12-1)	ISO/IEC 17025	ISO/IEC 17025			
PFDS (335-77-3)	ISO/IEC 17025	ISO/IEC 17025			
PFUnDS (749786-16-1)	ISO/IEC 17025	ISO/IEC 17025			
PFDoS (79780-39-5)	ISO/IEC 17025	ISO/IEC 17025			
HFPO-DA (Gen X) (13252-13-6)	ISO/IEC 17025	ISO/IEC 17025			
HFPO-TA (13252-14-7)	ISO/IEC 17025	ISO/IEC 17025			
DONA; ADONA (919005-14-4)	ISO/IEC 17025	ISO/IEC 17025			
PFMOPrA (377-73-1)	ISO/IEC 17025	ISO/IEC 17025			
NFDHA (151772-58-6)	ISO/IEC 17025	ISO/IEC 17025			
PFMOBA (863090-89-5)	ISO/IEC 17025	ISO/IEC 17025			



Poly and Perfluorinated Alkyl Substances (PFAS) SPE Extraction, HRAM LC-MS Documented In-House Method GEO 88						
Analyte	Surface Water	Ground Water				
PFecHS (133201-07-7)	ISO/IEC 17025	ISO/IEC 17025				
3:3 FTCA (356-02-5)	ISO/IEC 17025	ISO/IEC 17025				
5:3 FTCA (914637-49-3)	ISO/IEC 17025	ISO/IEC 17025				
7:3 FTCA (812-70-4)	ISO/IEC 17025	ISO/IEC 17025				
PFEESA (113507-82-7)	ISO/IEC 17025	ISO/IEC 17025				
6:2 CI-PFESA; 9CI-PF3ONS (756426-58-1)	ISO/IEC 17025	ISO/IEC 17025				
8:2 CI-PFESA; 11CI-PF3OUdS (763051-92-9)	ISO/IEC 17025	ISO/IEC 17025				
4:2 FTSA; 4:2 FTS (757124-72-4)	ISO/IEC 17025	ISO/IEC 17025				
6:2 FTSA; 6:2 FTS (27619-97-2)	ISO/IEC 17025	ISO/IEC 17025				
8:2 FTSA; 8:2 FTS (39108-34-4)	ISO/IEC 17025	ISO/IEC 17025				
FBSA (30334-69-1)	ISO/IEC 17025	ISO/IEC 17025				
FHxSA (41997-13-1)	ISO/IEC 17025	ISO/IEC 17025				
FOSA (754-91-6)	ISO/IEC 17025	ISO/IEC 17025				
MeFOSA; N-MeFOSA (31506-32-8)	ISO/IEC 17025	ISO/IEC 17025				
EtFOSA; N-EtFOSA (4151-50-2)	ISO/IEC 17025	ISO/IEC 17025				
MeFOSE (24448-09-7)	ISO/IEC 17025	ISO/IEC 17025				
EtFOSE (1691-99-2)	ISO/IEC 17025	ISO/IEC 17025				
NMeFOSAA; MeFOSAA (2355-31-9)	ISO/IEC 17025	ISO/IEC 17025				
NEtFOSAA; EtFOSAA (2991-50-6)	ISO/IEC 17025	ISO/IEC 17025				
6:2 FTAB (34455-29-3)	ISO/IEC 17025	ISO/IEC 17025				

Polynuclear Aromatic Hydrocarbons (PAHs) Automated dispersive Liquid/Liquid extraction, GC-MS Documented In-House Method Based Upon (ISBN: 0117520322, 1986) GEO 81							
AnalyteSurface WaterGround WaterTreated SewageUntreatedTrade to SewageLand Leachate							
Naphthalene ISO/IEC 17025							
Acenaphthylene	ISO/IEC 17025						



Polynuclear Aromatic Hydrocarbons (PAHs) Automated dispersive Liquid/Liquid extraction, GC-MS Documented In-House Method Based Upon (ISBN: 0117520322, 1986)							
GEO 81 Analyte Surface Water Ground Water Treated Sewage Untreated Trade to Sewage Land							
Acenaphthene	ISO/IEC 17025						
Fluorene	ISO/IEC 17025						
Phenanthrene	ISO/IEC 17025						
Anthracene	ISO/IEC 17025						
Fluoranthene	ISO/IEC 17025						
Pyrene	ISO/IEC 17025						
Benzo(a)Anthracene	ISO/IEC 17025						
Chrysene	ISO/IEC 17025						
Benzo(b)Fluoranthene	ISO/IEC 17025						
Benzo(a)Pyrene	ISO/IEC 17025						
Dibenz(ah)anthracene	ISO/IEC 17025						
Indeno(123-cd)Pyrene	ISO/IEC 17025						
Benzo(ghi)Perylene	ISO/IEC 17025						
Benzo(k)Fluoranthene	ISO/IEC 17025						

Pyridine						
	Liquid/liquid Extraction, GC-MS					
	Documented In-House Method					
	GEO 62					
Where quoted MCE	RTS performance standard - chemical	testing of WATERS				
Treated Sewage Untreated Sewage Trade to Sewer						
MCERTS	MCERTS	MCERTS				

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Solvents Headspace GC-MS Documented In-House Method GEO 96						
Analyte	Untreated Sewage	Trade to Sewer				
Propan-2-ol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Acetone	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			

Semi Volatile Organic Compounds (SVOCs) Automated Dispersive Liquid/liquid and GC-MS Documented In-House Method GEO 94						
Analyte	Surface Water	Ground Water	Treated Sewage	Trade Effluent	Land Leachate	
Phenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Bis(2-chloroethyl)ether	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
2-Chlorophenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
1,3-Dichlorobenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
1,4-Dichlorobenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
1,2-Dichlorobenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
2-Methylphenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Bis(chloroisopropyl)ether	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
3&4-Methylphenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
n-Nitroso-di-n- propylamine	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Hexachloroethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Nitrobenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	
Isophorone	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
2-Nitrophenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
2,4-Dimethylphenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Bis(2-chloroethoxy) methane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
3,5-Dimethylphenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
2,4-Dichlorophenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
1,2,4-Trichlorobenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Naphthalene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	



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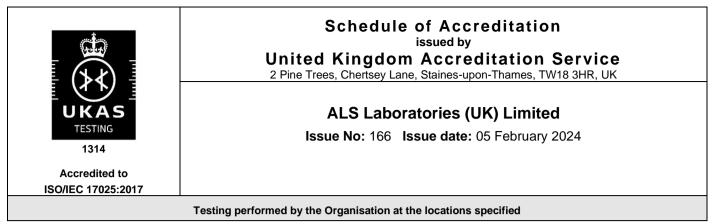
United Kingdom Accreditation Service 2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

ALS Laboratories (UK) Limited

Issue No: 166 Issue date: 05 February 2024

Testing performed by the Organisation at the locations specified

Semi Volatile Organic Compounds (SVOCs) Automated Dispersive Liquid/liquid and GC-MS Documented In-House Method GEO 94						
Analyte	Surface Water	Ground Water	Treated Sewage	Trade Effluent	Land Leachate	
4-Chlorophenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
2,6-Dichlorophenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Hexachlorobutadiene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
4-Chloro-3-methylphenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
2-Methylnaphthalene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
2,4,6-Trichlorophenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
2,4,5-Trichlorophenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
2-Chloronaphthalene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Dimethylphthalate	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
2,6-Dinitrotoluene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Acenaphthylene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Acenaphthene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
4-Nitrophenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Dibenzofuran	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
2,4-Dinitrotoluene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Diethylphthalate	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Fluorene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
4-Chlorophenyl phenyl ether	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
4-Bromophenyl phenyl ether	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Hexachlorobenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Pentachlorophenol	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Phenanthrene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Anthracene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Carbazole	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Di-n-butylphthalate	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Fluoranthene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Pyrene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	
Benzyl butyl phthalate	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	



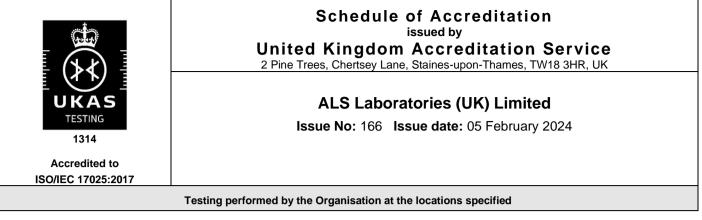
Semi Volatile Organic Compounds (SVOCs) Automated Dispersive Liquid/liquid and GC-MS Documented In-House Method GEO 94							
Analyte Surface Water Ground Water Treated Sewage Trade Effluent Land Le							
Benz(a)anthracene	ISO/IEC 17025						
Chrysene	ISO/IEC 17025						
Bis(2-ethylhexyl)phthalate	ISO/IEC 17025						
Di-n-octyl phthalate	ISO/IEC 17025						
Benzo(b)fluoranthene	ISO/IEC 17025						
Benzo(k)fluoranthene	ISO/IEC 17025						
Benzo(a)pyrene	ISO/IEC 17025						
Indeno(1,2,3-cd)Pyrene	ISO/IEC 17025						
Dibenzo(ah)anthracene	ISO/IEC 17025						
Benzo(ghi)perylene	ISO/IEC 17025						

Substituted Urea Herbicides Online SPE, HRAM LC-MS Documented In-House Method GEO 37									
Analyte Surface Water Ground Water Trade to Sewer Land Leachate									
Atrazine	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025					
Chlortoluron	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025					
Diuron	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025					
Isoproturon	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025					
Linuron	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025					
Methabenzthiazuron	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025					
Monolinuron	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025					
Monuron	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025					
Propyzamide	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025					
Simazine	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025					

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	ALS Laboratories (UK) Limited Issue No: 166 Issue date: 05 February 2024			
Accredited to ISO/IEC 17025:2017				
	Testing performed by the Organisation at the locations specified			

Trace Level Pesticides Liquid/liquid Extraction, GC-MSMS with NCI Documented In-House Method GEO 79						
Analyte	Surface Water	Ground Water	Saline Water			
Bifenox	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Cypermethrin	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Endosulphan (Total)	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
alpha-Endosulphan	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
beta-Endosulphan ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025						
Endosulphan Sulphate	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			

Trace Level Pesticides and Selected Non-Polar Organic Compounds Liquid/liquid Extraction, GC-MSMS El Documented In-House Method GEO 78 Where quoted MCERTS performance standard - chemical testing of WATERS							
Analyte Surface Water Ground Water Saline Water Treated Se							
Aclonifen	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
Alachlor	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
Cyclodiene Pesticides (WFD sum of 4)	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
Aldrin	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
Dieldrin	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
Endrin	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
Isodrin	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
Anthracene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
Benzo(a)Pyrene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
Benzo(b)Fluoranthene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
Benzo(k)Fluoranthene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
Indeno(1,2,3-cd)-pyrene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
Benzo(ghi)perylene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
Cybutryne	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
DDT - Total WFD	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
pp-DDE	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			



Trace Level Pesticides and Selected Non-Polar Organic Compounds Liquid/liquid Extraction, GC-MSMS El Documented In-House Method GEO 78								
Where quoted MCERTS performance standard - chemical testing of WATERS								
Analyte	Surface Water	Ground Water	Saline Water	Treated Sewage				
pp-DDD (TDE)	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
op-DDT	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
pp-DDT	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
Diflufenican	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
Fluoranthene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
Sum Heptachlor & Heptachlor epoxide (cis & trans)	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
Heptachlor	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
cis-Heptachlor Epoxide	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
trans-Heptachlor Epoxide	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
Hexachlorobenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
Hexachlorobutadiene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
Hexachlorocyclohexane – Total WFD	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
alpha-HCH	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
beta-HCH	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
gamma-HCH	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
delta-HCH	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
epsilon-HCH	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
Quinoxyfen	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
Chlorfenvinphos	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
Chlorpyrifos	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
Pentachlorobenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
PBDEs – Total WFD	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
BDE 28	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
BDE 47	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
BDE 99	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
BDE 100	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				
BDE 153	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None				

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Trace Level Pesticides and Selected Non-Polar Organic Compounds Liquid/liquid Extraction, GC-MSMS EI Documented In-House Method GEO 78 Where quoted MCERTS performance standard - chemical testing of WATERS							
Analyte Surface Water Ground Water Saline Water Treated Sewag							
BDE 154	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
Terbutryn	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
ТВТ	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	MCERTS			
Trifluralin	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			
Trichlorobenzene – Total WFD	Trichlorobenzene – Total WFD ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025 None						
1,3,5-Trichlorobenzene ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025 None							
1,2,4-Trichlorobenzene	1,2,4-Trichlorobenzene ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025 None						
1,2,3-Trichlorobenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None			

Volatile Fatty Acids GC-FID Documented In-House Analysis Based Upon (ISBN 0117514624, 1979) CON 17							
Surface Water	Slidde						
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025

Volatile Organic Compounds (VOC) Headspace GC-MS Documented In-House Method GEO 76								
Analyte Surface Water Ground Water Treated Sewage Trade to Sewer Land Leachat								
1,1,1,2-Tetrachloroethane	ISO/IEC 17025							
1,1,1-Trichloroethane	ISO/IEC 17025							
1,1,2,2-Tetrachloroethane	ISO/IEC 17025							
1,1,2-Trichloroethane	ISO/IEC 17025							
1,1-Dichloroethane	ISO/IEC 17025							
1,1-Dichloroethene ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025								
1,1-Dichloropropene	ISO/IEC 17025							



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Volatile Organic Compounds (VOC) Headspace GC-MS Documented In-House Method GEO 76					
Analyte	Surface Water	Ground Water	Treated Sewage	Trade to Sewer	Land Leachate
1,2,3-Trichlorobenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
1,2,3-Trichloropropane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
1,2,4-Trichlorobenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
1,2,4-Trimethylbenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
1,2-Dibromo-3-chloropropane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
1,2-Dibromoethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
1,2-Dichlorobenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
1,2-Dichloroethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
1,2-Dichloropropane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
1,3,5-Trimethylbenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
1,3-Dichlorobenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
1,3-Dichloropropane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
1,4-Dichlorobenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
2,2-Dichloropropane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
2-Chlorotoluene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
4-Chlorotoluene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Benzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Bromobenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Bromochloromethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Bromodichloromethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Bromoform	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Bromomethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Carbon Tetrachloride	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Chlorobenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Chloroethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Chloroform	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Chloromethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
cis-1,2-Dichloroethene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025



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Volatile Organic Compounds (VOC) Headspace GC-MS Documented In-House Method GEO 76					
Analyte	Surface Water	Ground Water	Treated Sewage	Trade to Sewer	Land Leachate
cis-1,3-Dichloropropene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Dibromochloromethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Dibromomethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Dichloromethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Ethylbenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Hexachlorobutadiene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Isopropylbenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
m.p-Xylene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
МТВЕ	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Naphthalene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
n-Butylbenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
n-Propylbenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
o-Xylene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
p-Isopropyltoluene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
sec-Butylbenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Styrene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
tert-Butylbenzene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Tetrachloroethene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Toluene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
trans-1,2-Dichloroethene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
trans-1,3-Dichloropropene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Trichloroethene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Trichlorofluoromethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Vinyl Chloride	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025

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Volatile Petroleum Hydrocarbons (VPH) C5-C10 Headspace Extraction, GC-FID and GC-MS-FID Documented In-House Method GEO 45					
Analyte	Surface Water	Ground Water	Treated Sewage	Land Leachate	Prepared Leachate
Total VPH C5-C10	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Aromatic/aliph	natic fractionation	and quantification	according to carb	on banding, typica	lly:
>C5-C7	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
>C6-C8	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
>C8-C10	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025

Benzotriazole & Tolytriazole Online SPE and LC-MSMS Documented In-House Method GEO 95					
Analyte Surface Water Process Water (Clean) Treated Untreated Sewage					Drinking Water (non- regulatory)
Benzotriazole	ISO/IEC 17025				
Tolytriazole	ISO/IEC 17025				

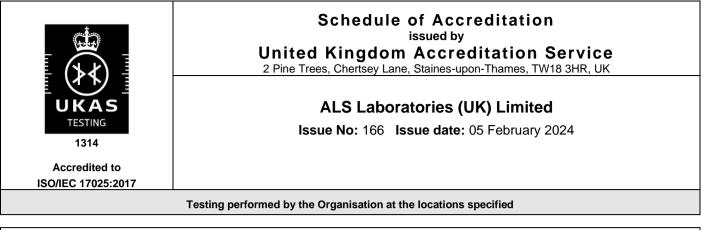
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Te	esting performed by the Organisation at the locations specified

MICROBIOLOGY & CRYPTOSPORIDIUM TESTS - COVENTRY LABORATORY

	Algae		
Microscopic Examination Documented In-House Method Based Upon			
	(ISBN: 0117523070, 1990)		
Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Drinking Water	Surface Water	Process Water	
DWTS	DWTS	ISO/IEC 17025	

Docume	Chlorophyll raction and Spectrophotometric Analysis nted In-House Method Based Upon (ISBN: 011 7516740 1980) W45
Analyte	Surface Water
Chlorophyll	ISO/IEC 17025

Clostridia Isolation and Enumeration by Membrane Filtration followed by traditional or MALDI-TOF confirmation Documented In-House Method Based Upon				
The Microbiology of Drinking Water (2021) - Part 6 - Methods for the isolation and enumeration of sulphite-reducing clostridia and Clostridium perfringens by membrane filtration. W8 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended				
Analyte	Drinking Water	Surface Water	Ground Water	Process Water
Sulphite-reducing Clostridia (presumptive and confirmed)	DWTS	DWTS	DWTS	ISO/IEC 17025
Clostridium perfringens (presumptive and confirmed)	DWTS	DWTS	DWTS	ISO/IEC 17025

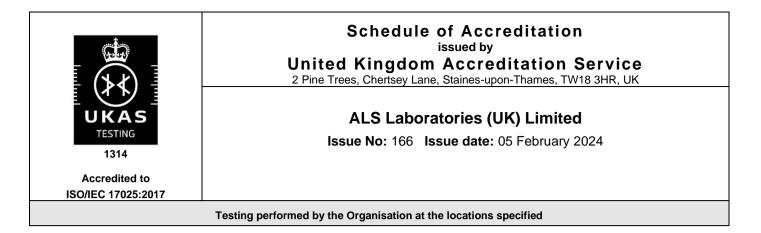


Do The Microbiology of Drinking Water C	Cryptosporidium ress [®] , Immuno fluorescent staining for id ocumented In-House Method Based Upd (2010) Part 14 – Methods for the Isolatio ryptosporidium oocysts and Giardia cyst CRYM1, CRYM2, & CRYM3 ter Supply (Water Quality) Regulations 2	on on, Identification and Enumeration of s.
Drinking Water	Ground Water	
DWTS	DWTS	DWTS

E. coli (per g dry weight) Isolation and Enumeration by Membrane Filtration Documented In-House Method Based Upon The Microbiology of Sewage Sludge (2003) - Part 3 - Methods for the isolation and enumeration of Escherichia coli, including verocytotoxigenic Escherichia coli. W24			
Soil Sludge Sediment			
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	

E coli (per g dry weight MPN) Isolation and Enumeration by Defined Substrate Most Probable Number Technique (Colilert) Documented In-House Method Based Upon The Microbiology of Sewage Sludge (2003) - Part 3 - Methods for the isolation and enumeration of Escherichia coli including verocytotoxigenic Escherichia coli.	li,
W25 Sewage Sludge	
ISO/IEC 17025	

The Microbiology of The Microbiology of	Enterococci (presumptive and confirmed) Isolation and Enumeration by Membrane Filtration followed by traditional or MALDI-TOF confirmation Documented In-House Method Based Upon The Microbiology of Drinking Water (2012) - Part 5 - Methods for the isolation and enumeration of enterococci. The Microbiology of Recreational and Environmental Waters (2015) – Part 4 – Methods for the isolation and enumeration of enterococci. W7 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended					
Drinking Water Surface Water Ground Water Process Water Recreational Water						
DWTS	DWTS DWTS DWTS ISO/IEC 17025 ISO/IEC 17025					



Enterococci (presumptive and confirmed)						
Isolation and Enumeration	Isolation and Enumeration by Membrane Filtration followed by traditional (membrane transfer to KAAA) or MALDI- TOF confirmation					
		e Method Based Upon				
	The Microbiology of Drinking Water (2012) - Part 5 - Methods for the isolation and enumeration of enterococci. The Microbiology of Recreational and Environmental Waters (2015) – Part 4 – Methods for the isolation and enumeration of enterococci. W58					
Surface Water Treated Sewage Effluent Sea Water Recreational Water (natural)						
ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025						

Heterotrophic Plate Count Isolation and Enumeration by Pour Plate Method Documented In-House Method Based Upon The Microbiology of Drinking Water (2020) - Part 7 – Methods for the enumeration of heterotrophic bacteria.							
Where quote	W1 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended						
Analyte Drinking Water Surface Water Ground Water Process Water Water							
Count at 22°C DWTS DWTS ISO/IEC 17025 ISO/IEC 17025							
Count at 37°C DWTS DWTS ISO/IEC 17025 ISO/IEC 17025							
Count at 30°C DWTS DWTS ISO/IEC 17025 ISO/IEC 17025							

Legionella Isolation and Enumeration by Membrane Filtration or centrifugation followed by elution. Traditional or MALDI-TOF confirmation incorporating serology. Matrix A+B procedure 8,9 & 10 Media C Documented In-House Method Based Upon BS EN ISO 11731:2017 W5						
Analyte Drinking Water Process Water Recreational Wat						
Legionella spp ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025						
Legionella pneumophila serogroup 1 ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025						
Legionella pneumophila serogroups 2-15	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			

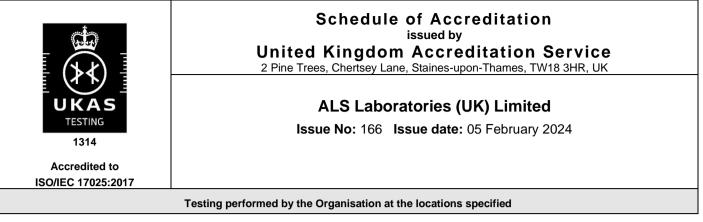
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The Microbiology of	Pseudomonas aeruginosa (presumptive and confirmed) Isolation and Enumeration by Membrane Filtration followed by traditional or MALDI-TOF confirmation Documented In-House Method Based Upon The Microbiology of Drinking Water (2015) - Part 8 - Methods for the isolation and enumeration of Aeromonas and Pseudomonas aeruginosa by membrane filtration. Health Technical Memorandum 04-01: Safe water in healthcare premises - Part C: Pseudomonas aeruginosa – advice for augmented care units (2016).					
		W11				
Drinking Water Surface Water Ground Water Ground Water Used for endoscope rinsing)						
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025		

Pseudomonas spp (presumptive and confirmed) Isolation and Enumeration by Membrane Filtration followed by traditional confirmation Documented In-House Method W9					
Drinking Water	Drinking Water Surface Water Ground Water Process Water				
ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025					

The Microbiology of Shigella by selec	Salmonella spp (detection and confirmed) Isolation and Enumeration by Membrane Filtration followed by traditional or MALDI-TOF confirmation Documented In-House Method Based Upon The Microbiology of Drinking Water (2006) Part 9 - Methods for the isolation and enumeration of Salmonella and Shigella by selective enrichment, membrane filtration and multiple tube most probable number techniques. The Microbiology of Sewage Sludge (2004) - Part 4 -Methods for thedetection, isolation and enumeration of Salmonellae.					
W2 Drinking Water Surface Water Ground Water Soil (per g dry weight) Sludge (per g dry weight)						
ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025						

Taste and Odour						
	Assessed Panel					
	Documented In House Method Base	ed Upon				
SCA Blue Book: -The Determination of Taste and Odour in drinking Water 2014. Methods for the examination of waters and Associated Materials. W56 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended						
Analyte Drinking Water Raw Water						
Quantitative Taste DWTS NONE						



	Taste and Odour					
	Assessed Panel					
	Documented In House Method Base					
	SCA Blue Book: -The Determination of Taste and Odour in drinking Water 2014. Methods for the examination of waters and Associated Materials. W56					
Where quoted DWTS	S - The Water Supply (Water Quality) Regula	tions 2016 (SI 2016/614) as amended				
Analyte Drinking Water Raw Water						
Quantitative Odour	DWTS	Quantitative Odour DWTS DWTS				

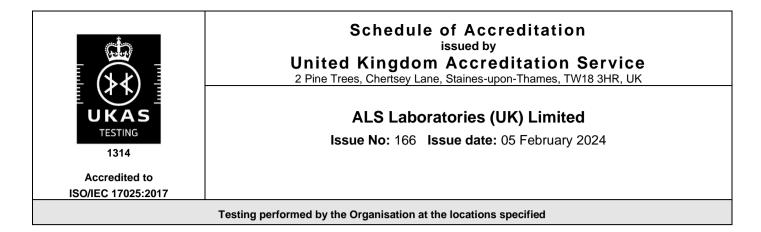
Coliforms and E.coli (presumptive and confirmed) Isolation and Enumeration by Membrane Filtration followed by traditional or MALDI-TOF confirmation Documented In-House Method Based Upon The Microbiology of Drinking Water (2016) - Part 4 - Methods for the isolation and enumeration of coliform bacteria and Escherichia coli (including E. coli O157:H7). W10								
Where quoted	DWTS - The Water	Supply (Water Qua	ality) Regulations 20	016 (SI 2016/614) a	is amended			
Analyte	Recreational							
Total Coliforms DWTS DWTS ISO/IEC 17025 ISO/IEC 17025								
Escherichia coli	DWTS	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025			

Total Coliforms, Faecal Coliforms and E.coli (presumptive and confirmed) Isolation and Enumeration by Membrane Filtration followed by traditional or MALDI-TOF confirmation (as required) Documented In-House Method Based Upon The Microbiology of Recreational and Environmental Waters (2016) – Part 3 – Methods for the isolation and enumeration of Escherichia coli (including E. coli O157:H7). W57							
Analyte	Surface Water Treated Sewage Effluent Sea Water Recreationation (nature)						
Total Coliforms	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Faecal Coliforms	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025			
Escherichia coli	Escherichia coli ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025						

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Health Technical I	Total Aerobic Micro-organisms Enumeration by pour plate and/or membrane filtration using R2A agar. Documented In-House Method Based Upon Memorandum 01-06: Decontamination of flexible endoscopes Part E (2016). 63:2015 - Quality of dialysis fluid for haemodialysis and related therapies. W38
Analyte	Process Water (High Purity & DI Waters used for dialysis & endoscope rinsing)
Count at 22°C for 7 days	ISO/IEC 17025
Count at 30°C for 5 days	ISO/IEC 17025

	Zooplankton (including veligers) Macroscopic Examination ocumented In-House Method Based Up (ISBN: 0-87553-161-X, 1989) W46	
Drinking Water	ter Supply (Water Quality) Regulations 2 Surface Water	Process Water
DWTS	DWTS	ISO/IEC 17025



SECTION 2 DETAIL OF ACCREDITATION at the WAKEFIELD LABORATORY

Wakefield Tests – <u>Inorganics</u>			
Alkalinity	pH and Conductivity	Turbidity	Colour
Fluoride	Suspended Solids	Total Dissolved Solids	Chlorate, Chlorite and Bromide
Bromate	Total and Free Cyanide	<u>Nutrients</u>	Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC)
Suspended Solids & Ashed Solids	Total Solids & Total Ash Solids	Biochemical Oxygen Demand	Chemical Oxygen Demand
Petroleum Ether Extractable Matter	Kjeldahl Nitrogen	Permanganate Index	

Wakefield Tests – <u>Metals</u>			
Dissolved (Filtered) and Total Metals	Dissolved (Filtered) and Total Mercury	Antimony	Extractable Potassium and Magnesium
Sodium Bicarbonate Extractable Phosphorus	Metals		

Wakefield Tests – <u>Organics</u>			
Trihalomethanes, Halogenated Solvents, MTBE, TAME and BTEX Compounds	Polycyclic Aromatic Hydrocarbons	Polar Herbicides (Benzonitrile, Phenoxyalkanoic Herbicides and Other Compounds)	Organochlorine Pesticides and Selected Non-Polar Organic Compounds
<u>Chlormequat, Diquat &</u> <u>Mepiquat</u>	Glyphosate and Aminomethylphosphonic Acid (AMPA)	Metaldehyde	Microcystin – LR
Haloacetic Acids and Dalapon	Taste & Odour Compounds	Carbamate, Conazole, Organophosphorus, Phenyl Urea, Triazine and Neutral Compounds	Phenols and Chlorophenols
<u>Acrylamide</u>	Vinyl Chloride	<u>Clormequat, Diquat and</u> <u>Mepiquat</u>	Poly and Perfluorinated Substances (PFAS)

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Wakefield Tests – <u>Microbiology</u>			
Total Aerobic Micro- organisms	Coliforms, and Escherichia coli	Clostridium perfringens	Taste & Odour
Enterococci	Pseudomonas aeruginosa	Pseudomonas spp	Legionella (Confirmation only)
			(Confirmation o

Wakefield Tests – <u>Radiochemistry</u>			
Gross Alpha and Beta Radioactivity			

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INORGANICS TESTS - WAKEFIELD LABORATORY

Whore gu	Alkalinity Manual Documented in house (ISBN: 01175 WW ooted MCERTS performance s	Titration Method Based Upon 16015, 1981) / C 9	
Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled
MCERTS	MCERTS	MCERTS	MCERTS

Alkalinity Manual Titration Documented In house Method Based Upon (ISBN: 0117516015, 1981) WSC 1	
Sludge	
ISO/IEC 17025	

pH and Conductivity Using Manual Probe System Documented In House Method Based Upon (ISBN: 0117514284, 1978)				
WWC 14 Where quoted MCERTS performance standard - chemical testing of WATERS				
				Trade to Controlled
pH MCERTS MCERTS MCERTS MCERTS				
Conductivity (20°C)	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025

p	н	
Using Manual Meter		
Documented In House Method Based Upon		
(ISBN 0117520845, 1988)		
WPC 8		
Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended		
Potable Water Raw Water		

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р	н	
Using Manual Meter		
Documented In House Method Based Upon		
(ISBN 0117520845, 1988)		
WPC 8		
Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended		
DWTS DWTS		
	1	

pH Ion Selective Electrode Documented In house Method Based Upon (ISBN: 0117512524, 1977) WSC 11		
Soil Sludge		
ISO/IEC 17025	ISO/IEC 17025	

Conductivity				
	Manu	ial Meter		
Documented In House Method Based Upon				
	(ISBN: 0117514284, 1978)			
WPC 7				
Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended				
Potable Water Raw Water Bottled Water Process Water (High Purity & DI Water)				
DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025	

Turbidity				
	Manua	l Meter		
	Documented in House	e Method Based Upon		
(ISBN: 117519553, 1981)				
WPC 6				
Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended				
Potable Water Raw Water Bottled Water Process Water (High Purity & DI Water)				
DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025	

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Colour UV - Visible Spectrophotometer Documented in House Method Based Upon (ISBN: 117519553, 1981) WPC 13			
Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended Potable Water Process Water Potable Water Bottled Water			
DWTS	DWTS	ISO/IEC 17025	(High Purity & DI Water) ISO/IEC 17025

	Fluc	oride			
	Ion Selectiv	e Electrode			
	Documented in House Method Based Upon				
	(ISBN: 0117516627, 1982)				
WPC 20					
Where quoted DWTS	Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended				
Potable Water Raw Water Bottled Water Process Water (High Purity & DI Water)					
DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025		

Fluoride Ion Selective Electrode Documented In House Method Based Upon (ISBN: 0117516627, 1982) WSC 18		
Soil Sludge		
ISO/IEC 17025	ISO/IEC 17025	

Suspended Solids (105°C)			
Gravi	imetry		
Documented in House	e Method Based Upon		
(ISBN 011751957X, 1980)			
WPC 22			
Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Potable Water Raw Water			
DWTS	DWTS		

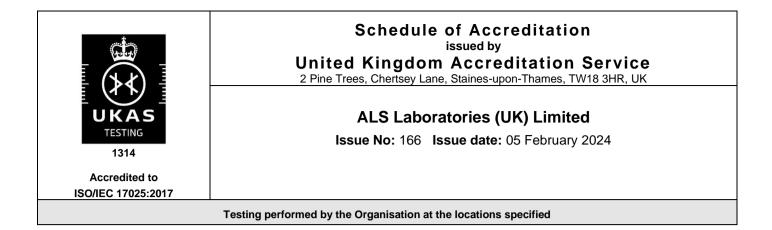
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Total Dissolved Solids (180°C)				
	Gravi	metry		
	Documented in House	e Method Based Upon		
	(ISBN: 01175	1957X, 1980)		
	WPC 25			
Where quoted DWTS	Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Potable Water Raw Water Bottled Water Process Water (High Purity & DI Water			Process Water (High Purity & DI Water)	
DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025	

Chlorate, Chlorite and Bromide Ion Chromatography (Dionex) Documented in House Method WPC 18 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Analyte Potable Water Raw Water			
Bromide	DWTS	DWTS	
Chlorate	DWTS	DWTS	
Chlorite	DWTS	DWTS	

Chlorate, Chlorite and Bromide Ion Chromatography (Metrohm) Documented in House Method WPC 61 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Analyte	Potable Water	Raw Water	
Bromide	DWTS	DWTS	
Chlorate	DWTS	DWTS	
Chlorite	DWTS	DWTS	

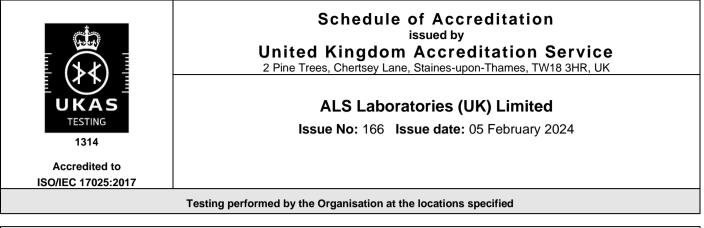
	Bror	nate	
lon Ch	Ion Chromatography with the Addition of Post Column Reagent (Dionex)		
	Documented in	House Method	
		C 42	
Where quoted DWTS	- The Water Supply (Water Q	uality) Regulations 2016 (SI 2	016/614) as amended
Potable Water	Raw Water	Bottled Water	Process Water (High Purity & DI Water)
DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025



	Broi	nate		
Ion Chr	Ion Chromatography with the Addition of Post Column Reagent (Metrohm)			
		House Method		
		C 54		
Where quoted DWTS	 The Water Supply (Water Q 	uality) Regulations 2016 (SI 2	016/614) as amended	
Potable Water Raw Water Bottled Water Process Water (High Purity & DI Water)				
DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025	

Where auoted		Total and Free Cyanic ontinuous Flow Autoana ented in House Method B (ISBN: 0875532233, 199 WPC 65 oply (Water Quality) Reg	lyzer Based Upon 95)	i14) as amended
Analyte Potable Water Raw Water Bottled Water Process Water				Process Water (High Purity & DI Water)
Free Cyanide DWTS DWTS ISO/IEC 17025 ISO/IEC 17025				ISO/IEC 17025
Total Cyanide	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025

Nutrients Discrete Analysis (Aquakem) Documented in House Method Based Upon (ISBN 0117516260, 1981; 0117515930, 1981; 0117516139, 1981; 0117515930, 1981; 0117515930, 1981; 0117515825, 1980) 0117515930, 1981; 0117515825, 1980) WPC 64				
Where quoted DWT	S - The Water Supply (Water Quality) Regula	tions 2016 (SI 2016/61	4) as amended
Analyte	Potable Water	Raw Water	Bottled Water	Process Water (High Purity & DI Water)
Ammonium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Total Oxidised Nitrogen	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Nitrite	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Nitrate (calculation)	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Chloride	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Orthophosphate	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Silica	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Alkalinity (methyl orange)	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025



Nutrients				
	Discre	ete Analysis (Aquakem))	
	Documented	in House Method Base	ed Upon	
(ISBN 0117516260, 19	981; 0117515930, 198 ⁻	1; 0117516139, 1981; (0117515930, 1981; 01	17516015, 1981;
	011751593	0, 1981; 0117515825,	1980)	
		WPC 64		
Where quoted DWT	S - The Water Supply (Water Quality) Regulat	tions 2016 (SI 2016/61	4) as amended
Analyte	Potable Water	Raw Water	Bottled Water	Process Water (High Purity & DI Water)
Alkalinity (bromophenol blue)	DWTS	DWTS	None	None

(ISBN: 011751626	Gallery Plu Documented In Ho 0, 1981; 0117516139		•	1980)
Where quoted	MCERTS performan	NWC 50 ce standard - chemic	al testing of WATERS	8
Analyte	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled
Ammonia	MCERTS	MCERTS	MCERTS	MCERTS
Nitrite	MCERTS	MCERTS	MCERTS	MCERTS
Total Oxidised Nitrogen	MCERTS	MCERTS	MCERTS	MCERTS
Nitrate (calculation)	MCERTS	MCERTS	MCERTS	MCERTS
Chloride	MCERTS	MCERTS	MCERTS	MCERTS
Soluble Reactive Phosphorus	MCERTS	MCERTS	MCERTS	MCERTS

Nutrients				
Gallery Discrete Analysis Documented In House Method Based Upon				
(ISBN: 011751626	(ISBN: 0117516260, 1981; 0117516139, 1981; 0117515930, 1981; 0117515825, 1980)			
WWC 50 Where quoted MCERTS performance standard - chemical testing of WATERS			6	
Analyte	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled
Soluble Reactive Phosphorus	MCERTS	MCERTS	MCERTS	MCERTS

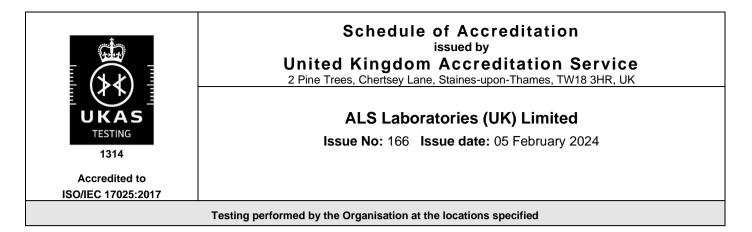
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Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) Shimadzu TOC-L CPH analyser Documented In House Method Based Upon (ISBN: 0117514586, 1979) WPC 67					
Analyte	Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended Analyte Potable Water Raw Water				
Dissolved Organic Carbon (DOC) DWTS DWTS					
Total Organic Carbon (TOC)	DWTS	DWTS			

Suspended Solids (105°C) Ashed Solids (450°C)					
		Gravimetry			
		House Method Based	Upon		
	(ISBN:	011751957X, 1980)			
		WWC 21			
Where quo	ted MCERTS perform	ance standard - chem	ical testing of WATER	S	
Analyte Treated Sewage Untreated Sewage Trade to Sewer Trade to Controlled					
Suspended Solids (105°C) MCERTS MCERTS MCERTS					
Ashed Solids (450°C)	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	

Total Solids (105°C) Total Ash Solids (550°C) Gravimetry Documented In House Method Based Upon (ISBN: 0117517879, 1984) WSC 12						
Analyte Soil Sludge						
Total Solids (105°C) ISO/IEC 17025 ISO/IEC 17025						
Total Ashed Solids (550°C)	Total Ashed Solids (550°C) ISO/IEC 17025 ISO/IEC 17025					

Biochemical Oxygen Demand (BOD) Dissolved Oxygen Meter Documented In house Method Based Upon (ISO 5815-1:2019) WWC 11					
Surface Water	Where quoted MCERTS performance standard - chemical testing of WATERS Surface Water Treated Sewage Untreated Sewage Trade to Sewer Trade to Controlled				
ISO/IEC 17025	MCERTS	MCERTS	MCERTS	MCERTS	

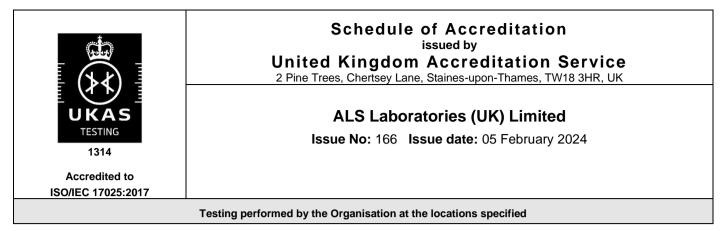


	Chemical Oxygen Demand (COD) DR3800 Spectrophotometer Documented In house Method Based Upon The determination of chemical oxygen demand in waters and effluents (2007) MEWAM. WWC 13 Where quoted MCERTS performance standard - chemical testing of WATERS				
Surface Water					
ISO/IEC 17025	MCERTS	MCERTS	MCERTS	MCERTS	

Kjeldahl Nitrogen Spectrophotometer Documented In House Method Based Upon (ISBN: 011751888, 1985) WSC 8		
Soil Sludge		
ISO/IEC 17025	ISO/IEC 17025	

Permanganate Index			
Manual	Titration		
Documented In House	e Method Based Upon		
(ISBN: 01175	51960X, 1983)		
WP	C 47		
Where quoted DWTS - The Water Supply (Water Q	uality) Regulations 2016 (SI 2016/614) as amended		
Potable Water Raw Water			
DWTS DWTS			

Petroleum Ether Extractable Matter Extraction and Gravimetry Documented In House Method Based Upon (ISBN: 0117520764, 1987) WWC 48					
Treated Sewage Untreated Sewage Trade to Sewer Trade to Controlled					
ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025 ISO/IEC 17025					



METALS TESTS - WAKEFIELD LABORATORY

Dissolved (Filtered) and Total Metals Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) Documented In House Method Based Upon (ISBN: 0117532444,1996) WPC 12 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended				
Analyte	Potable Water	Raw Water	Bottled Water	Process Water (High Purity & DI Water)
Iron	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Aluminium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Manganese	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Phosphorus	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Sulphur as Sulphate (SO4)	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Silicon and Silica (SiO2)	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Calcium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Magnesium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Hardness as CaCO3 (Calculation)	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Potassium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Sodium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Boron	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025

Dissolved (Filtered) and Total Metals Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) Documented In House Method Based Upon (ISBN: 0117532444,1996) WPC 49							
Where quoted DWTS -	The Water Supply (W		ons 2016 (SI 2016/614	4) as amended			
Analyte Potable Water Raw Water Bottled Water (High Purity & DI Water)							
Iron	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025			
Manganese DWTS DWTS ISO/IEC 17025 ISO/IEC 17025							
Aluminium	Aluminium DWTS DWTS ISO/IEC 17025 ISO/IEC 17025						
Sodium DWTS DWTS ISO/IEC 17025 ISO/IEC 17025							
Potassium DWTS DWTS ISO/IEC 17025 ISO/IEC 17025							
Calcium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025			

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Dissolved (Filtered) and Total Metals Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) Documented In House Method Based Upon (ISBN: 0117532444,1996) WPC 49 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended						
Analyte Potable Water Raw Water Bottled Water (High Purity & DI Water						
Magnesium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025		
Hardness as CaCO3 (Calculation)	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025		
Sulphur (as sulphate)	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025		
Silicon (as Silica)	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025		
Phosphorus DWTS DWTS ISO/IEC 17025 ISO/IEC 17025						
Boron	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025		

Dissolved (Filtered) and Total Metals Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) Documented In House Method WWC 8 Where quoted MCERTS performance standard - chemical testing of WATERS				
Analyte	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled
Aluminium	MCERTS	MCERTS	MCERTS	MCERTS
Boron	MCERTS	MCERTS	MCERTS	MCERTS
Cadmium	MCERTS	MCERTS	MCERTS	MCERTS
Calcium	MCERTS	MCERTS	MCERTS	MCERTS
Chromium	MCERTS	MCERTS	MCERTS	MCERTS
Cobalt	MCERTS	MCERTS	MCERTS	MCERTS
Copper	MCERTS	MCERTS	MCERTS	MCERTS
Iron	MCERTS	MCERTS	MCERTS	MCERTS
Magnesium	MCERTS	MCERTS	MCERTS	MCERTS
Manganese	MCERTS	MCERTS	MCERTS	MCERTS
Nickel	MCERTS	MCERTS	MCERTS	MCERTS
Lead	MCERTS	MCERTS	MCERTS	MCERTS
Phosphorus	MCERTS	MCERTS	MCERTS	MCERTS
Potassium	MCERTS	MCERTS	MCERTS	MCERTS

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Dissolved (Filtered) and Total Metals Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) Documented In House Method WWC 8 Where quoted MCERTS performance standard - chemical testing of WATERS				
Analyte	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled
Sodium	MCERTS	MCERTS	MCERTS	MCERTS
Thallium	MCERTS	MCERTS	MCERTS	MCERTS
Vanadium	MCERTS	MCERTS	MCERTS	MCERTS
Zinc	MCERTS	MCERTS	MCERTS	MCERTS
Sulphur (as SO4)	MCERTS	MCERTS	MCERTS	MCERTS

Dissolved (Filtered) and Total Metals Inductively Coupled Plasma Mass Spectrometry (ICP-MS) Documented in House Method WPC 15 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended				
Analyte	Potable Water	Raw Water	Bottled Water	Process Water (High Purity & DI Water)
Lead	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Copper	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Zinc	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Nickel	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Cadmium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Chromium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Silver	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Antimony	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Selenium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Arsenic	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Strontium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Barium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Cobalt	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Molybdenum	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Uranium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Vanadium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025

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Dissolved (Filtered) and Total Metals Inductively Coupled Plasma Mass Spectrometry (ICP-MS) Documented in House Method WPC 15 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended				
Analyte	Potable Water	Raw Water	Bottled Water	Process Water (High Purity & DI Water)
Tin	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Titanium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Beryllium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Lithium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Thallium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025

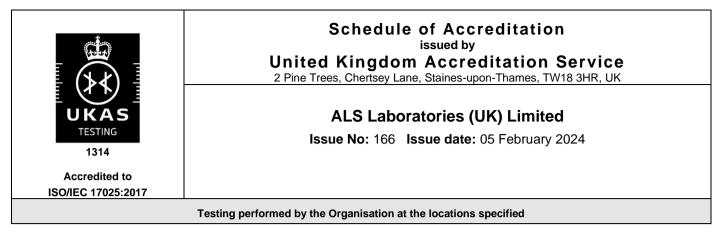
Dissolved (Filtered) and Total Metals Inductively Coupled Plasma Mass Spectroscopy (ICP-MS) Documented In House Method Based Upon (ISO 17294-2:2003) WWC 46				
W	here quoted MCERTS pe	erformance standard - ch	emical testing of WATE	RS
Analyte	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled
Aluminium	MCERTS	MCERTS	MCERTS	MCERTS
Vanadium	MCERTS	MCERTS	MCERTS	MCERTS
Chromium	MCERTS	MCERTS	MCERTS	MCERTS
Iron	MCERTS	MCERTS	MCERTS	MCERTS
Manganese	MCERTS	MCERTS	MCERTS	MCERTS
Cobalt	MCERTS	MCERTS	MCERTS	MCERTS
Nickel	MCERTS	MCERTS	MCERTS	MCERTS
Copper	MCERTS	MCERTS	MCERTS	MCERTS
Zinc	MCERTS	MCERTS	MCERTS	MCERTS
Arsenic	MCERTS	MCERTS	MCERTS	MCERTS
Molybdenum	MCERTS	MCERTS	MCERTS	MCERTS
Cadmium	MCERTS	MCERTS	MCERTS	MCERTS
Thallium	MCERTS	MCERTS	MCERTS	MCERTS
Lead	MCERTS	MCERTS	MCERTS	MCERTS
Selenium	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
Phosphorus	MCERTS	None	MCERTS	MCERTS

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Dissolved (Filtered) and Total Metals Inductively Coupled Plasma Mass Spectroscopy (ICP-MS) Documented In House Method Based Upon				
	(ISO 17294-2:2003)			
	WWC 46			
Whe	Where quoted MCERTS performance standard - chemical testing of WATERS			RS
Analyte Treated Sewage Untreated Sewage Trade to Sewer Trade to Controlled				
Uranium	MCERTS	MCERTS	MCERTS	MCERTS

Total Metals Boiling Acid Digestion followed by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS) Documented In House Method WSC 16				
Analyte	Soil	Sludge		
Vanadium	ISO/IEC 17025	ISO/IEC 17025		
Cadmium	ISO/IEC 17025	ISO/IEC 17025		
Chromium	ISO/IEC 17025	ISO/IEC 17025		
Cobalt	ISO/IEC 17025	ISO/IEC 17025		
Nickel	ISO/IEC 17025	ISO/IEC 17025		
Copper	ISO/IEC 17025	ISO/IEC 17025		
Arsenic	ISO/IEC 17025	ISO/IEC 17025		
Selenium	ISO/IEC 17025	ISO/IEC 17025		
Molybdenum	ISO/IEC 17025	ISO/IEC 17025		
Thallium	ISO/IEC 17025	ISO/IEC 17025		
Lead	ISO/IEC 17025	ISO/IEC 17025		
Zinc	ISO/IEC 17025	ISO/IEC 17025		

Metals Acid Digestion Followed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) Documented In House Method WSC 6			
Analyte	Soil Sludge		
Aluminium	inium ISO/IEC 17025 ISO/IEC 17025		
Calcium	ISO/IEC 17025	ISO/IEC 17025	
Chromium	ISO/IEC 17025	ISO/IEC 17025	



Metals Acid Digestion Followed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) Documented In House Method WSC 6				
Analyte	Soil	Sludge		
Copper	ISO/IEC 17025	ISO/IEC 17025		
Iron	ISO/IEC 17025	ISO/IEC 17025		
Lead	ISO/IEC 17025	ISO/IEC 17025		
Nickel	ISO/IEC 17025	ISO/IEC 17025		
Phosphorus	ISO/IEC 17025	ISO/IEC 17025		
Sulphur	ISO/IEC 17025	ISO/IEC 17025		
Tin	ISO/IEC 17025	ISO/IEC 17025		
Zinc	ISO/IEC 17025	ISO/IEC 17025		
Potassium	ISO/IEC 17025	ISO/IEC 17025		
Magnesium	ISO/IEC 17025	ISO/IEC 17025		
Manganese	ISO/IEC 17025	ISO/IEC 17025		
Sodium	ISO/IEC 17025	ISO/IEC 17025		
Lithium	ISO/IEC 17025	ISO/IEC 17025		
Cadmium	ISO/IEC 17025	ISO/IEC 17025		

Metals Acid Digestion Followed by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS) Documented In House Method WSC 20		
Analyte	Soil	Sludge
Arsenic	ISO/IEC 17025	ISO/IEC 17025
Cadmium	ISO/IEC 17025	ISO/IEC 17025
Chromium	ISO/IEC 17025	ISO/IEC 17025
Copper	ISO/IEC 17025	ISO/IEC 17025
Lead	ISO/IEC 17025	ISO/IEC 17025
Mercury	ISO/IEC 17025	ISO/IEC 17025
Molybdenum	ISO/IEC 17025	ISO/IEC 17025
Nickel	ISO/IEC 17025	ISO/IEC 17025
Selenium	ISO/IEC 17025	ISO/IEC 17025

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Metals Acid Digestion Followed by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS) Documented In House Method WSC 20		
Analyte Soil Sludge		
Zinc	ISO/IEC 17025	ISO/IEC 17025

Dissolved (Filtered) and Total Mercury Inductively Coupled Plasma Mass Spectroscopy (ICP-MS) Documented In House Method Based Upon (ISBN: 0117532444,1996) WWC 17 Where quoted MCERTS performance standard - chemical testing of WATERS			
Treated Sewage Untreated Sewage Trade to Sewer Trade to Controlled			
MCERTS MCERTS MCERTS MCERTS			

Mercury Boiling Acid Digestion Followed by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS)	
Documented In House	e Method Based Upon
(ISBN: 01175	19081, 1986)
WSC 5	
Soil Sludge	
ISO/IEC 17025 ISO/IEC 17025	

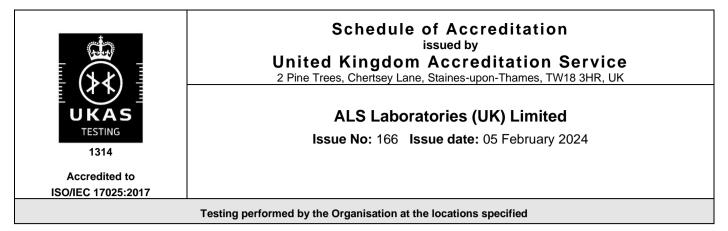
Total Mercury			
	Inductively Coupled Plasma	Mass Spectroscopy (ICP-MS)	
	Documented In House	e Method Based Upon	
	(ISBN: 01175	532444,1996)	
	WPC 21		
Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			016/614) as amended
Potable Water Raw Water Bottled Water Process Water (High Purity & DI Water)			
DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025

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Antimony Boiling Acid Digestion Followed by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS) Documented In House Method WSC 7	
Soil	Sludge
ISO/IEC 17025 ISO/IEC 17025	

Extractable Potassium and Magnesium Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) Documented In House Method Based Upon (ISBN: 0112427626, 1989 Method 40 and 63) WSC 13	
Analyte	Soil
Extractable Potassium ISO/IEC 17025	
Extractable Magnesium ISO/IEC 17025	

Sodium Bicarbonate Extractable Phosphorus UV 1800 Spectrophotometer Documented In House Method Based Upon (ISBN: 0112427626, 1989 Method 59) WSC 14	
Analyte Soil	
Extractable Phosphorus ISO/IEC 17025	



ORGANICS TESTS - WAKEFIELD LABORATORY

Trihalomethanes, Halogenated Solvents, MTBE, TAME and BTEX Compounds Headspace Gas Chromatography with Mass Spectrometry Detection Documented In-House Method WPC 28 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended		
Analyte	Potable Water	Raw Water
1,1,1-Trichloroethane	DWTS	DWTS
1,1- Dichloroethane	DWTS	DWTS
1,2-Dichloroethane	DWTS	DWTS
Benzene	DWTS	DWTS
Bromodichloromethane	DWTS	DWTS
Bromoform	DWTS	DWTS
Carbon Tetrachloride	DWTS	DWTS
Chlorodibromomethane	DWTS	DWTS
Chloroform	DWTS	DWTS
Dichloromethane	DWTS	DWTS
Ethylbenzene	DWTS	DWTS
m&p-Xylene	DWTS	DWTS
МТВЕ	DWTS	DWTS
o-Xylene	DWTS	DWTS
Tetrachloroethene	DWTS	DWTS
Trichloroethene	DWTS	DWTS
1,2 - Dibromoethane	DWTS	DWTS
Toluene	DWTS	DWTS

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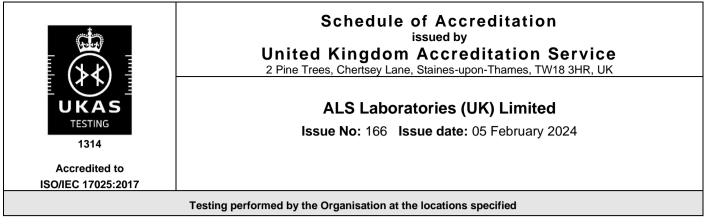
Polycyclic Aromatic Hydrocarbons High Performance Liquid Chromatography Documented In-House Method WPC 27 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Analyte Potable Water Raw Water			
Benzo (b) fluoranthene	DWTS	DWTS	
Benzo(k)fluoranthene	DWTS	DWTS	
Benzo(ghi)perylene	DWTS	DWTS	
Benzo(a)pyrene	DWTS	DWTS	
Fluoranthene	DWTS	DWTS	
Indeno(1,2,3-cd)pyrene	DWTS	DWTS	

Direct Aqueous Injection and H	nzonitrile, Phenoxyalkanoic Herbici ligh-Performance Liquid Chromatograp Documented In-House Method WPC 45 Water Supply (Water Quality) Regulation	ohy With Mass Spectrometry Detection
Analyte	Potable Water	Raw Water
2,3,6-Trichlorobenzoic acid	DWTS	DWTS
2,4,5-T	DWTS	DWTS
2,4,5-TP (Fenoprop)	DWTS	DWTS
2,4-D	DWTS	DWTS
2,4-DB	DWTS	DWTS
2,4-DP (Dichloroprop)	DWTS	DWTS
Asulam	DWTS	DWTS
Benazolin	DWTS	DWTS
Bentazone	DWTS	DWTS
Bromoxynil	DWTS	DWTS
Clopyralid	DWTS	DWTS
Dicamba	DWTS	DWTS
Fluroxypyr	DWTS	DWTS
Imazapyr	DWTS	DWTS
loxynil	DWTS	DWTS

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Polar Herbicides (Benzonitrile, Phenoxyalkanoic Herbicides and Other Compounds) Direct Aqueous Injection and High-Performance Liquid Chromatography With Mass Spectrometry Detection Documented In-House Method WPC 45 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended				
Analyte	Potable Water Raw Water			
МСРА	DWTS	DWTS		
МСРВ	DWTS	DWTS		
MCPP (Mecoprop)	DWTS	DWTS		
Pentachlorophenol	DWTS	DWTS		
Picloram	DWTS	DWTS		
Propamocarb	DWTS	DWTS		
Triclopyr	DWTS	DWTS		

Solvent Extraction and Analysi	ine Pesticides and Selected Non-Polar is by Gas Chromatography with Triple Qua Documented In House Method WPC 50 e Water Supply (Water Quality) Regulation	adrupole Mass Spectrometric Detection
Analyte	Potable Water	Raw Water
Dichlobenil	DWTS	DWTS
alpha-HCH	DWTS	DWTS
Hexachlorobenzene	DWTS	DWTS
gamma-HCH	DWTS	DWTS
Chlorothalonil	DWTS	DWTS
Heptachlor	DWTS	DWTS
Aldrin	DWTS	DWTS
cis-Heptachlor Epoxide	DWTS	DWTS
trans-Heptachlor Epoxide	DWTS	DWTS
o,p'-DDE	DWTS	DWTS
p,p'-DDE	DWTS	DWTS
Dieldrin	DWTS	DWTS
o,p'-TDE	DWTS	DWTS
p,p'-TDE	DWTS	DWTS



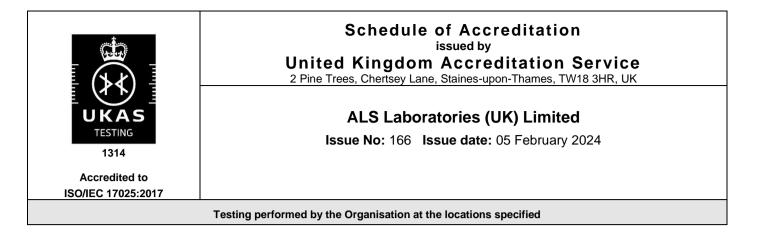
	ne Pesticides and Selected Non-Pola s by Gas Chromatography with Triple C Documented In House Metho WPC 50	auadrupole Mass Spectrometric Detection
Where quoted DWTS - The	When Supply (Water Quality) Regulat	ions 2016 (SI 2016/614) as amended
Analyte	Potable Water	Raw Water
o,p'-DDT	DWTS	DWTS
p,p'-DDT	DWTS	DWTS
Methoxychlor	DWTS	DWTS
Tecnazene	DWTS	DWTS
Trifluralin	DWTS	DWTS
cis-Permethrin	DWTS	DWTS
trans-Permethrin	DWTS	DWTS
Cypermethrin	DWTS	DWTS
Deltamethrin	DWTS	DWTS
Chlorthal-dimethyl	DWTS	DWTS
Parathion-ethyl	DWTS	DWTS
Pentachlorobenzene	DWTS	DWTS
Diazinon	DWTS	DWTS
Diflufenican	DWTS	DWTS
Lambda-Cyhalothrin	DWTS	DWTS
Triallate	DWTS	DWTS
Chlorbufam	DWTS	DWTS
Chlorpropham	DWTS	DWTS
Chlorpyrifos-ethyl	DWTS	DWTS
Chlorpyrifos-methyl	DWTS	DWTS
Clomazone	DWTS	DWTS
Ethofumesate	DWTS	DWTS
Ethoprophos	DWTS	DWTS
Fenpropimorph	DWTS	DWTS
Pendimethalin	DWTS	DWTS
Picolinafen	DWTS	DWTS
Pirimicarb	DWTS	DWTS
Pirimiphos-methyl	DWTS	DWTS

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Organochlorine Pesticides and Selected Non-Polar Organic Compounds			
Solvent Extraction and Analysis by Gas Chromatography with Triple Quadrupole Mass Spectrometric Detection			
	Documented In House Method		
WPC 50			
Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Analyte	Potable Water	Raw Water	
Propham	DWTS	DWTS	
Propyzamide	DWTS	DWTS	

Chlormequat, Diquat & Mepiquat Direct Aqueous Injection HILIC High Performance Liquid Chromatography With Multiple Reaction Monitoring Mass Spectrometry Detection Documented In House Method WPC 69 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended		
Analyte	Potable Water	Raw Water
Chlormequat	DWTS	DWTS
Diquat	DWTS	DWTS
Mepiquat	DWTS	DWTS

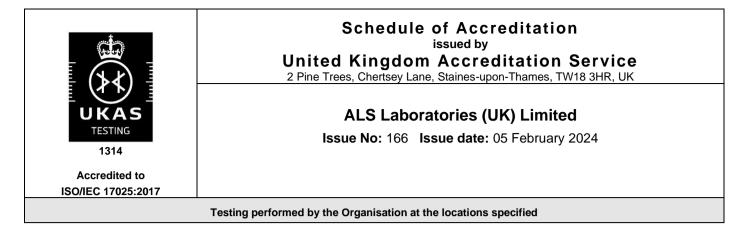
Glyphosate and Aminomethylphosphonic Acid (AMPA) FMOC Derivatisation, Large Volume Direct Aqueous Injection On-Line Polymeric Solid Phase Extraction and High Performance Liquid Chromatography with Multiple Reaction Monitoring Mass Spectrometry Detection Documented in House Method WPC 68 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended		
Analyte	Potable Water	Raw Water
Glyphosate	DWTS	DWTS
Aminomethylphosphonic acid (AMPA)	DWTS	DWTS



Chlormequat, Diquat, & Mepiquat Solid Phase Extraction followed by analysis via Liquid Chromatography Mass Spectrometry (LC-MSMS SRM mode) Documented In House Method WPC 51		
Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended		
Analyte	Potable Water	Raw Water
Chlormequat	DWTS	DWTS
Diquat	DWTS	DWTS
Mepiquat	DWTS	DWTS

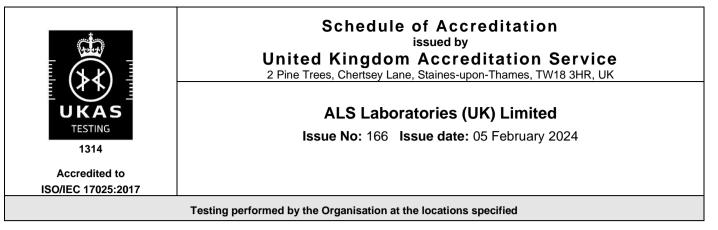
Metaldehyde Large Volume Direct Aqueous Injection On-Line Solid Phase Extraction and High-Performance Liquid Chromatography with Selected Reaction Monitoring Mass Spectrometry Detection Documented in House Method WPC 73 Where quoted DW/TS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended		
Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended Analyte Potable Water Raw Water		
Metaldehyde	DWTS	DWTS

Microcystin – LR Large Volume Direct Aqueous Injection On-Line Solid Phase Extraction and High Performance Liquid Chromatography With Multiple Reaction Monitoring Mass Spectrometry Detection Documented In House Method WPC 59 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended		
Analyte	Potable Water	Raw Water
Microcystin-LR	DWTS	DWTS



Haloacetic Acids and Dalapon Direct Aqueous Injection and High-Performance Liquid Chromatography with selected reaction monitoring mass spectrometry detection Documented In House Method WPC 75 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Analyte	Potable Water	Raw Water	
MonoChloroAcetic Acid (MCAA)	DWTS	DWTS	
MonoBromoAcetic Acid (MBAA)	DWTS	DWTS	
DiChloroAcetic Acid (DCAA)	DWTS	DWTS	
2,2-DiChloroPropanoic Acid (Dalapon)	DWTS	DWTS	
TriChloroAcetic Acid (TCAA)	DWTS	DWTS	
BromoChloroAcetic Acid (BCAA)	DWTS	DWTS	
DiBromoAcetic Acid (DBAA)	DWTS	DWTS	
BromoDiChloroAcetic Acid (BDCAA)	DWTS	DWTS	
DiBromoChloroAcetic Acid (DBCAA)	DWTS	DWTS	
TriBromoAcetic Acid (TBAA)	DWTS	DWTS	

Taste & Odour Compounds Liquid-Liquid Extraction and Gas Chromatography with Triple Quadrupole Mass Spectrometric Detection Documented in House Method WPC 66 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Analyte	Potable Water	Raw Water	
2-Bromophenol	DWTS	DWTS	
2-6-Dibromophenol	DWTS	DWTS	
2-4-Dibromophenol	DWTS	DWTS	
2,4,6-Tribromophenol	DWTS	DWTS	
2-Isopropyl-3-methoxypyrazine	DWTS	DWTS	
3-Chloroanisole	DWTS	DWTS	
4-Chloroanisole	DWTS	DWTS	
2-Chloroanisole	DWTS	DWTS	
2-IsobutyI-3-methoxypyrazine	DWTS	DWTS	
2-methylisoborneal	DWTS	DWTS	



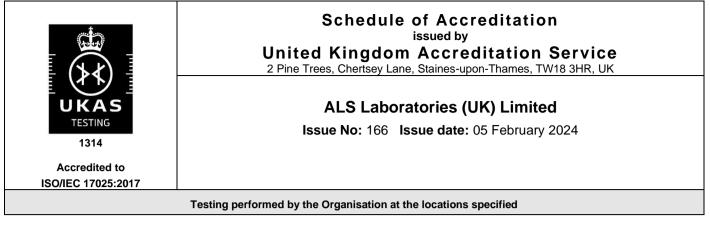
Taste & Odour Compounds Liquid-Liquid Extraction and Gas Chromatography with Triple Quadrupole Mass Spectrometric Detection Documented in House Method WPC 66 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Analyte	Potable Water	Raw Water	
2,4,6-Trichloroanisole	DWTS	DWTS	
Geosmin	DWTS	DWTS	
2,3,4-Trichloroanisole	DWTS	DWTS	
2,4,6-Tribromoanisole	DWTS	DWTS	

Taste & Odour Compounds Liquid-Liquid Extraction and Gas Chromatography with Triple Quadrupole Mass Spectrometric Detection Documented in House Method WPC 77 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Analyte	Potable Water	Raw Water	
2-Isopropyl-3-methoxypyrazine	DWTS	DWTS	
3-Chloroanisole	DWTS	DWTS	
4-Chloroanisole	DWTS	DWTS	
2-Chloroanisole	DWTS	DWTS	
2-Isobutyl-3-methoxypyrazine	DWTS	DWTS	
2-methylisoborneal	DWTS	DWTS	
2,4,6-Trichloroanisole	DWTS	DWTS	
Geosmin	DWTS	DWTS	
2,3,4-Trichloroanisole	DWTS	DWTS	
2,4,6-Tribromoanisole	DWTS	DWTS	

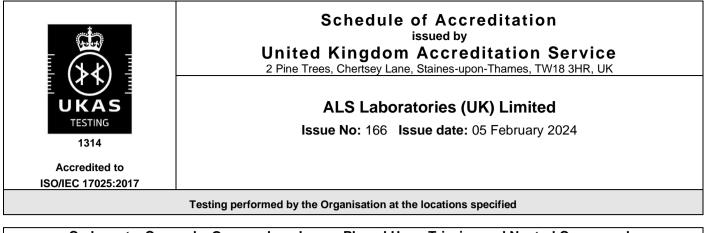
Carbamate, Conazole, Organophosphorus, Phenyl Urea, Triazine and Neutral Compounds Large Volume Direct Aqueous Injection On-Line Solid Phase Extraction and High-Performance Liquid Chromatography with Multiple Reaction Monitoring Mass Spectrometry Detection Documented In House Method WPC 71		
WPC 71 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended		
Analyte	Potable Water	Raw Water
Atrazine	DWTS	DWTS

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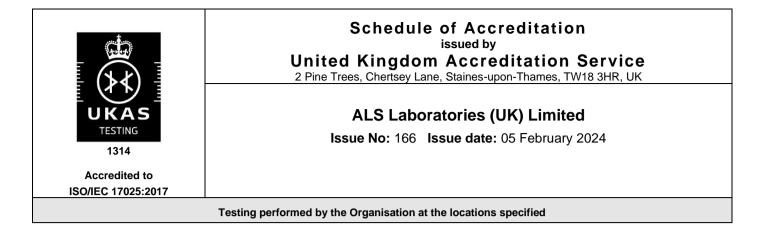
Large Volume Direct Ao Chromatogra	Ile, Organophosphorus, Phenyl Urea, Tria queous Injection On-Line Solid Phase Extrac phy with Multiple Reaction Monitoring Mass Documented In House Method WPC 71 The Water Supply (Water Quality) Regulation	ction and High-Performance Liquid Spectrometry Detection
Analyte	re quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amend Analyte Potable Water Raw Water	
Atrazine-desethyl	DWTS	DWTS
Atrazine-desisopropyl	DWTS	DWTS
Azinphos-methyl	DWTS	DWTS
Azoxystrobin	DWTS	DWTS
Bixafen	DWTS	DWTS
Boscalid	DWTS	DWTS
Bromacil	DWTS	DWTS
Carbendazim	DWTS	DWTS
Carbetamide	DWTS	DWTS
Chlorfenvinphos	DWTS	DWTS
Chlortoluron	DWTS	DWTS
Cyanazine	DWTS	DWTS
Cyproconazole	DWTS	DWTS
Dichlorvos	DWTS	DWTS
Difenoconazole	DWTS	DWTS
Dimethoate	DWTS	DWTS
Diuron	DWTS	DWTS
Epoxiconazole	DWTS	DWTS
EPTC	DWTS	DWTS
Flufenacet	DWTS	DWTS
Flurtamone	DWTS	DWTS



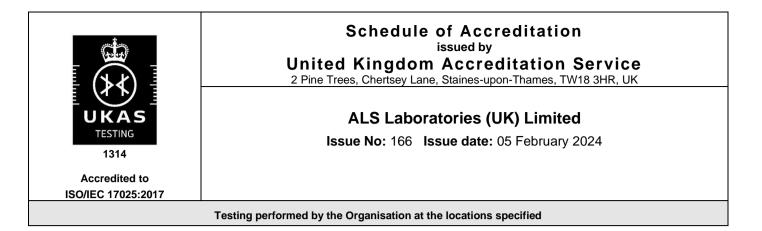
Carbamate, Conazole, Organophosphorus, Phenyl Urea, Triazine and Neutral Compounds Large Volume Direct Aqueous Injection On-Line Solid Phase Extraction and High-Performance Liquid Chromatography with Multiple Reaction Monitoring Mass Spectrometry Detection Documented In House Method WPC 71		
Where quoted DWTS - 1	The Water Supply (Water Quality) Regulation	ons 2016 (SI 2016/614) as amended
Analyte	Potable Water	Raw Water
Flusilazole	DWTS	DWTS
Flutrifol	DWTS	DWTS
Fluxapyroxad	DWTS	DWTS
Isoproturon	DWTS	DWTS
Lenacil	DWTS	DWTS
Linuron	DWTS	DWTS
Malathion	DWTS	DWTS
Mefentrifluconazole	DWTS	DWTS
Metazachlor	DWTS	DWTS
Metconazole	DWTS	DWTS
Methabenzthiazuron	DWTS	DWTS
Methiocarb	DWTS	DWTS
Metoxuron	DWTS	DWTS
Metribuzin	DWTS	DWTS
Metsulfuron-methyl	DWTS	DWTS
Mevinphos	DWTS	DWTS
Monuron	DWTS	DWTS
Oxadixyl	DWTS	DWTS
Prochloraz	DWTS	DWTS
Prometryn	DWTS	DWTS
Propachlor	DWTS	DWTS
Propazine	DWTS	DWTS
Propetamphos	DWTS	DWTS
Propiconazole	DWTS	DWTS
Prothioconazole-desthio	DWTS	DWTS
Prosulfocarb	DWTS	DWTS
Quinmerac	DWTS	DWTS



Carbamate, Conazole, Organophosphorus, Phenyl Urea, Triazine and Neutral Compounds Large Volume Direct Aqueous Injection On-Line Solid Phase Extraction and High-Performance Liquid Chromatography with Multiple Reaction Monitoring Mass Spectrometry Detection Documented In House Method WPC 71 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Analyte	Potable Water	Raw Water	
Simazine	DWTS	DWTS	
Spiroxamine	DWTS	DWTS	
Tebuconazole	DWTS	DWTS	
Terbuthylazine	DWTS	DWTS	
Terbutryn	DWTS	DWTS	
Triazophos	DWTS	DWTS	
Trietazine	DWTS	DWTS	
Trinexapac-ethyl	DWTS	DWTS	
Benzovindiflupyr	DWTS	DWTS	
Diclofenac(free acid)	DWTS	DWTS	
Dimethenamid-P	DWTS	DWTS	
Fluopyram	DWTS	DWTS	
Metamitron	DWTS	DWTS	
Metobromuron	DWTS	DWTS	
Oxamyl	DWTS	DWTS	
Pyraclostrobin	DWTS	DWTS	
Thifensulfuron- Methyl	DWTS	DWTS	
Trifloxystrobin	DWTS	DWTS	



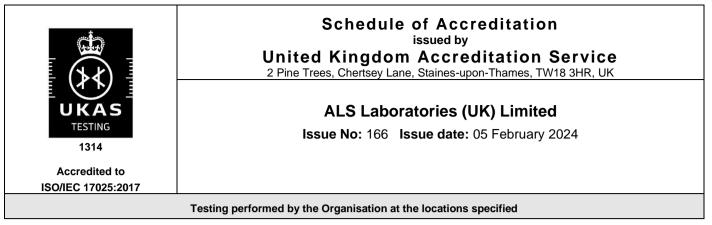
	Detection Documented In House Method WPC 70	hromatography with Mass Spectrometric
vvnere quoted Dvv15 - The vv	ater Supply (Water Quality) Regulation	ns 2016 (SI 2016/614) as amended
Analyte	Potable Water	Raw Water
Phenol	DWTS	DWTS
2-Methylphenol	DWTS	DWTS
3-Methylphenol	DWTS	DWTS
4-Methylphenol	DWTS	DWTS
2-Chlorophenol	DWTS	DWTS
3-Chlorophenol	DWTS	DWTS
4-Chlorophenol	DWTS	DWTS
2,3-Dimethylphenol	DWTS	DWTS
2,4-Dimethylphenol	DWTS	DWTS
2,5-Dimethylphenol	DWTS	DWTS
2,6-Dimethylphenol	DWTS	DWTS
3,4-Dimethylphenol	DWTS	DWTS
3,5-Dimethylphenol	DWTS	DWTS
2-Chloro-4-methylphenol	DWTS	DWTS
3-Chloro-4-methylphenol	DWTS	DWTS
2-Chloro-5-Methylphenol + 4- Chloro-2-Methylphenol	DWTS	DWTS
2,3-Dichlorophenol	DWTS	DWTS
2,4-Dichlorophenol	DWTS	DWTS
2,6-Dichlorophenol	DWTS	DWTS
2,4,5-Trichlorophenol	DWTS	DWTS
2,4,6-Trichlorophenol	DWTS	DWTS



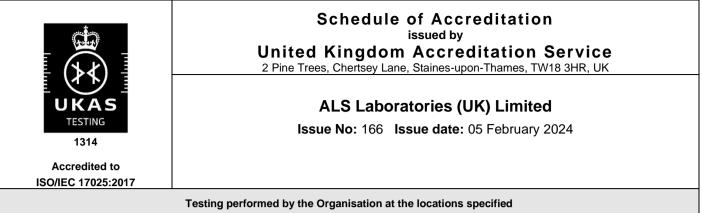
Acrylamide Direct Aqueous Injection and High-Performance Liquid Chromatography with Multiple Reaction Monitoring Mass Spectrometry Detection Documented In House Method WPC 53 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Analyte Potable Water Raw Water			
Acrylamide DWTS DWTS			

Vinyl Chloride Static Headspace Gas Chromatography with Mass Spectrometry Detection Documented In House Method WPC 63		
Analyte	Potable Water	Raw Water
Vinyl Chloride	ISO/IEC 17025	ISO/IEC 17025

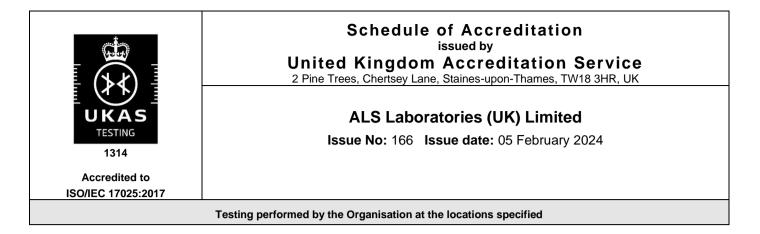
Poly and Perfluorinated Alkyl Substances (PFAS) SPE Extraction, LCQQQ Documented In-House Method WPC 78 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended		
Analyte	Potable Water	Raw Water
PFBA	DWTS	DWTS
PFPeA	DWTS	DWTS
PFHxA	DWTS	DWTS
PFHpA	DWTS	DWTS
PFOA	DWTS	DWTS
PFNA	DWTS	DWTS
PFDA	DWTS	DWTS
PFUnA	DWTS	DWTS
PFDoA	DWTS	DWTS
PFTrDA	DWTS	DWTS
PFTeDA	DWTS	DWTS
PFHxDA	DWTS	DWTS
PFODA	DWTS	DWTS



Poly and Perfluorinated Alkyl Substances (PFAS) SPE Extraction, LCQQQ Documented In-House Method WPC 78			
Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Analyte Potable Water Raw Water			
PFBS	DWTS	DWTS	
PFPeS	DWTS	DWTS	
PFHxS	DWTS	DWTS	
PFHpS	DWTS	DWTS	
PFOS	DWTS	DWTS	
PFNS	DWTS	DWTS	
PFDS	DWTS	DWTS	
PFUnS	DWTS	DWTS	
PFDoS	DWTS	DWTS	
HFPO-DA	DWTS	DWTS	
HFPO-TA	DWTS	DWTS	
DONA	DWTS	DWTS	
PFMOPrA	DWTS	DWTS	
NFDHA	DWTS	DWTS	
PFMOBA	DWTS	DWTS	
PFecHS-K	DWTS	DWTS	
3:3 FTCA	DWTS	DWTS	
5:3 FTCA	DWTS	DWTS	
7:3 FTCA	DWTS	DWTS	
PFEESA	DWTS	DWTS	
6:2 CI-PFESA	DWTS	DWTS	
8:2 CI-PFESA	DWTS	DWTS	
4:2 FTS	DWTS	DWTS	
6:2 FTS	DWTS	DWTS	
8:2 FTS	DWTS	DWTS	
FBSA	DWTS	DWTS	
FHxSA	DWTS	DWTS	
PFOSA	DWTS	DWTS	



Poly and Perfluorinated Alkyl Substances (PFAS) SPE Extraction, LCQQQ Documented In-House Method WPC 78 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Analyte	Potable Water	Raw Water	
MeFOSA	DWTS	DWTS	
EtFOSA	DWTS	DWTS	
MeFOSE	DWTS	DWTS	
EtFOSE	DWTS	DWTS	
MeFOSAA	DWTS	DWTS	
EtFOSAA	DWTS	DWTS	
6:2FTAB	DWTS	DWTS	



MICROBIOLOGY TESTS – WAKEFIELD LABORATORY

Total Aerobic Micro-organisms Isolation and Enumeration by Pour Plate Method Documented In House Method Based Upon The Microbiology of Drinking Water (2020) - Part 7 – Methods for the enumeration of heterotrophic bacteria. WPM 1				
Where quoted DWTS	 The Water Supp 	ly (Water Quality) Regula	ations 2016 (SI 2016/6	14) as amended
Analyte	Potable Water	Raw Water	Process Waters	Recreational Water
Total Aerobic Colony Count at 22°C	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Total Aerobic Colony Count at 37°C	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Total Aerobic colony count at 30°C for 2 days	None	None	ISO/IEC 17025	None

	inking Water (2016) - Part	Filtration followed by t In House Method Bas	raditional or MALDI-TC sed Upon solation and enumeration	
		WPM 4		
Where quoted D	WTS - The Water Supply (Water Quality) Regul	ations 2016 (SI 2016/6	14) as amended
Analyte Potable Water Raw Water Process Waters Recreational Water				
Coliforms	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Escherichia coli DWTS DWTS ISO/IEC 17025 ISO/IEC 17025				
Clostridium perfringens (presumptive and confirmed) Isolation and Enumeration by Membrane Filtration followed by traditional or MALDI-TOF confirmation Documented In House Method Based Upon The Microbiology of Drinking Water (2021) - Part 6 - Methods for the isolation and enumeration of sulphite-reducing clostridia and Clostridium perfringens by membrane filtration.				
WPM 3				

	Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Potable Water Raw Wa		Raw Water	Process Waters	Recreational Water
	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025

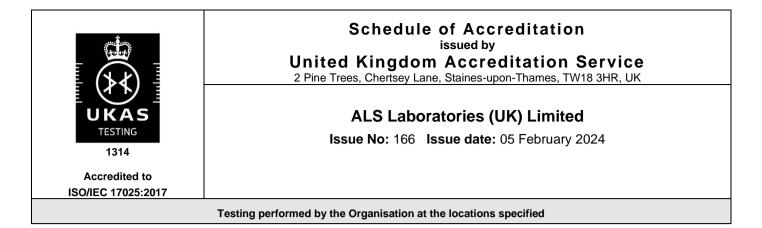
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	Enterococci (presum	ptive and confirmed)		
Isolation and Enume	Isolation and Enumeration by Membrane Filtration followed by traditional or MALDI-TOF confirmation			
		e Method Based Upon		
		ethods for the isolation and en		
The Microbiology of Rec	The Microbiology of Recreational and Environmental Waters (2015) - Part 4 - Methods for the isolation and			
	enumeration of			
	•••	M 2		
Where quoted DWTS	 The Water Supply (Water Q 	uality) Regulations 2016 (SI 2	016/614) as amended	
Potable Water Raw Water Process Waters Recreational Water				
DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025	

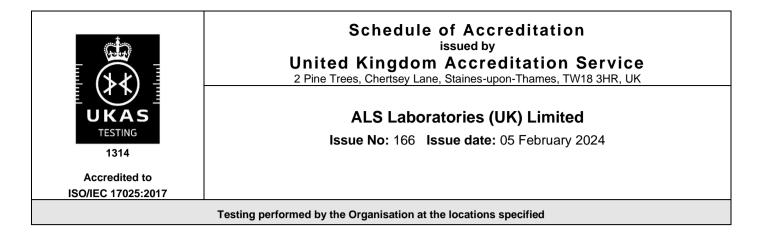
Isolation and Enume The Microbiology of Drinkin	g Water (2015) - Part 8 - Meth Pseudomonas aeruginos	followed by traditional or MAL Method Based Upon hods for the isolation and enur a by membrane filtration.	DI-TOF confirmation
Health Technical Memorandum 04-01: Safe water in healthcare premises - Part C: Pseudomonas aeruginosa – advice for augmented care units (2016). WPM 11 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Potable Water	Raw Water	Process Water (Pure Water)	Recreational Water (Natural & Man made)
DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025

Isolation and	Pseudomonas spp (pres		confirmation
Isolation and Enumeration by Membrane Filtration followed by traditional confirmation Documented In House Method			
WPM 12 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Potable Water	Raw Water	Process Water	Recreational Water (Natural & Man made)
DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025

Legionella – Confirmation Only Confirmation by MALDI-TOF only Documented In House Method W5			
Analyte	Potable Water	Surface Water	Ground Water
Legionella spp	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Legionella pneumophila	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025



	Taste and Odour			
	Assessed Panel			
	Documented In House Method Base	ed Upon		
SCA Blue Book: -The D	SCA Blue Book: -The Determination of Taste and Odour in drinking Water 2014. Methods for the examination of			
	waters and Associated Materials.			
	WPM 10			
Where quoted DW	Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended			
Analyte	Potable Water	Raw Water		
Quantitative Taste	DWTS	None		
Quantitative Odour	DWTS	DWTS		



RADIOCHEMISTRY TESTS – WAKEFIELD LABORATORY

	Gross Alpha and Beta Radioactivity ocumented In House Method Based Up (ISBN: 011751909X, 1985-1986) WPC 23 ter Supply (Water Quality) Regulations	pon
Analyte	Potable Water	Raw Water
Gross Alpha (relative to Am-241)	DWTS	DWTS
Gross Beta (relative to K-40)	DWTS	DWTS

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SECTION 3 DETAIL OF ACCREDITATION at the DOL LABORATORY

DOL Tests – <u>Inorganics</u>		
Ammonia	<u>Formaldehyde - Visual</u> <u>Screening</u>	

DOL Tests – <u>Organics</u>			
Geomsin	p-Cresol and Phenol	Carbetamide, Chlortoluron, Diuron, Isoproturon and Linuron	Mecoprop, MCPA and 2,4-D

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INORGANIC TESTS - DOL LABORATORY

Ammonia	
Spectrophotometry	
Documented In House Method Based Upon	
(ISBN: 0117516139, 1981)	ļ
DOL 3	
Surface Water	
ISO IEC 17025	

Formaldehyde - visual screening Colorimetry/Visual Screening Documented In House Method Based Upon (ISBN: 0117516902, 1983) DOL 2	
Surface Water	
ISO IEC 17025	

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ORGANIC TESTS - DOL LABORATORY

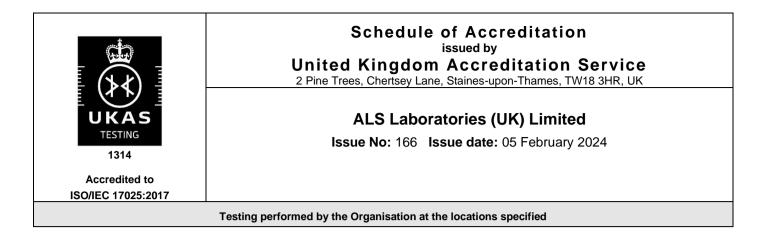
Geosmin Gas Chromatography with Mass Spectroscopy Documented In-House Method DOL 5	
Analyte	Surface Water
Geosmin	ISO IEC 17025

p-Cresol and Phenol High Performance Liquid Chromatography -Fluorescence Detection Documented In House Method Based Upon (ISBN: 0117517267, 1983) DOL 10		
Analyte Surface Water		
p-Cresol	ISO IEC 17025	
Phenol ISO IEC 17025		

Carbetamide, Chlortoluron, Diuron, Isoproturon and Linuron High Performance Liquid Chromatography With UV-Diode Array Detection Documented In House Method Based Upon (ISBN: 0117529281, 1994) DOL 14		
Analyte	Surface Water	
Carbetamide	ISO IEC 17025	
Chlortoluron	ISO IEC 17025	
Diuron	ISO IEC 17025	
Isoproturon	ISO IEC 17025	
Linuron	ISO IEC 17025	

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ISO/IEC 17025:2017		
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	Mecoprop. MCPA and 2.4-D	

Liquid-Liquid Extraction and Gas Chromatography-Mass Spectroscopy Documented In House Method Based Upon (ISBN: 0117518867, 1985) DOL 15	
Analyte	Surface Water
Месоргор	ISO IEC 17025
МСРА	ISO IEC 17025
2,4-D	ISO IEC 17025



SECTION 4 DETAIL OF ACCREDITATION for SAMPLING and ON-SITE TESTING

Sampling and On-site Analysis			
Ground Gas Monitoring	Ground Water Sampling	Legionella Sampling	On-site effluent chlorine testing
On-site potable chlorine & temperature testing	OSM Sampling	Potable Water Sampling	Sludge Sampling
Surface Water Sampling	Trade Effluent Sampling	UWWTD Sampling	

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SAMPLING AND ON-SITE ANALYSIS

Ground Gas Monitoring Using a GA 5000 multi gas analyser Documented In-House Method COM 07		
Activity Landfill & Biogenic Gases		
Sampling from Boreholes	ISO/IEC 17025	
On-site Carbon Dioxide analysis	ISO/IEC 17025	
On-site Methane analysis	ISO/IEC 17025	
On-site Oxygen analysis	ISO/IEC 17025	

Ground Water Sampling Using a Waterra Powerpack PP1 pump Documented In-House Method COM 05		
Activity Ground Water		
Sampling	ISO/IEC 17025	

Legionella Sampling Documented In-House Method COM 12			
Activity	Drinking Water (non-regulatory)	Process Water	Recreational water
Sampling	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025

On-site Effluent Chlorine Testing Using colorimetry (meter) Documented In-House Method		
OSM 11 Where quoted MCERTS performance standard - chemical testing of WATERS		
Activity Trade to Controlled		
On-site Total Chlorine analysis	MCERTS	
On-site Free Chlorine analysis MCERTS		

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Testing performed by the Organisation at the locations specified		

On-site Potable Chlorine & Temperature Testing Using colorimetry (meter) Documented In-House Method POT 03 Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended		
Activity	Drinking Water	
On-site Total Residual Chlorine analysis	DWTS	
On-site Free Residual Chlorine analysis	DWTS	
Temperature	DWTS	

OSM Sampling			
Manual spot sampling			
Documented In-House Method			
OSM 05			
Where quoted MCERTS performance standard - chemical testing of WATERS			
Activity	Treated Sewage	Untreated Sewage	Trade to Controlled
Sampling from Sewage Treatment Works and Water Treatment Works	MCERTS	MCERTS	MCERTS

Potable Water Sampling		
Documented In-House Method		
The Microbiology of Drinking Water (2010) - Part 2 – Practices and procedures for sampling		
POT 01		
Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended		
Activity	Drinking Water	
Sampling from Customer taps and Service Reservoirs	DWTS	

Sludge Sampling Documented In-House Method SLU 01		
Activity	Sludge (Digester feed, Liquid to land and Cake to land)	
Sampling	ISO/IEC 17025	

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Surface Water Sampling		
Spot sampling		
Documented In-House Method		
COM 06		
Activity	Surface Water	
Sampling	ISO/IEC 17025	

Trade Effluent Sampling Spot sampling Documented In-House Method COM 13		
Activity	Trade Effluent	
Sampling from Interceptors	ISO/IEC 17025	

UWWTD Sampling using automated composite samplers Documented In-House Method UWW 01 Where guoted MCERTS performance standard - chemical testing of WATERS		
Activity	Treated Sewage	Untreated Sewage
Sampling from Sewage Treatment Works	MCERTS	MCERTS

END