


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> TESTING</p> <p>1314</p> <p>Accredited to <b>ISO/IEC 17025:2017</b></p>	<h3>ALS Laboratories (UK) Limited</h3> <p><b>Issue No: 173    Issue date: 03 February 2025</b></p>	
	<p><b>Torrington Avenue</b> <b>Coventry</b> <b>West Midlands</b> <b>CV4 9GU</b></p>	<p><b>Contact: Mr Christopher Caird</b> <b>Tel: +44 (0)2476 421213</b> <b>E-Mail: christopher.caird@alsglobal.com</b> <b>Website: www.alsenvironmental.co.uk</b></p>
<p><b>Testing performed by the Organisation at the locations specified below</b></p>		

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

#### Laboratory locations:

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



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**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.**



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**SECTION 1**

**DETAIL OF ACCREDITATION at the COVENTRY LABORATORY**

**Coventry Tests – Inorganics**

<a href="#">Alkalinity</a>	<a href="#">Biological Oxygen Demand (BOD)</a>	<a href="#">Chemical Oxygen Demand (COD)</a>	<a href="#">Chlorophyll a</a>
<a href="#">Colour</a>	<a href="#">Colour Scan</a>	<a href="#">Cyanide</a>	<a href="#">Dissolved Oxygen (DO)</a>
<a href="#">Fluoride</a>	<a href="#">Formaldehyde</a>	<a href="#">Hexavalent Chromium</a>	<a href="#">Inhalable &amp; Respirable Particulate Matter</a>
<a href="#">Low Level Orthophosphate</a>	<a href="#">Monohydroxyphenol</a>	<a href="#">Nutrients</a>	
<a href="#">Particulate Matter</a>	<a href="#">PM10 or PM2.5 Particulate Matter</a>	<a href="#">pH &amp; Conductivity</a>	<a href="#">Sulphide</a>
<a href="#">Suspended Solids &amp; Ashed Solids</a>	<a href="#">Thiocyanate</a>	<a href="#">Total and Kjeldahl Nitrogen</a>	<a href="#">Total Organic Carbon (TOC)</a>
<a href="#">Total Solids</a>	<a href="#">Total Solids &amp; Dissolved Solids</a>	<a href="#">Turbidity</a>	

**Coventry Tests – Metals**

<a href="#">Mercury</a>	<a href="#">Metals by ICP-MS</a>	<a href="#">Metals by ICP-OES</a>	<a href="#">Metals by ICP-MS</a>
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**Coventry Tests – Organics**

<a href="#">Acid Herbicides and Benzonitrile Herbicides</a>	<a href="#">Benzotriazole &amp; Tolytriazole</a>	<a href="#">Bisphenol A</a>	<a href="#">Bromide, Sulphate and Chloride</a>
<a href="#">BTEX, Trihalomethanes, Chlorinated Solvents, Styrene, and MTBE</a>	<a href="#">Dissolved Oestrogenic Steroids</a>	<a href="#">Emerging Organic Contaminants by HRAM-LCMS</a>	<a href="#">Emerging Organic Contaminants by LCMSMS</a>
<a href="#">Extractable Hydrocarbons (EH) C6-C40</a>	<a href="#">Extractable Petroleum Hydrocarbons (EPH) C10-C44</a>	<a href="#">6:2 and 8:2 FTOH</a>	<a href="#">Hexabromocyclododecane (HBCDD)</a>
<a href="#">Low Level Volatile Organic Compounds by Headspace GCMS</a>	<a href="#">Mecoprop</a>	<a href="#">Organotins</a>	<a href="#">Pesticides</a>



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**Coventry Tests – Organics**

<a href="#">Phenoxyalkanoic Herbicides and Phenolic Compounds</a>	<a href="#">Phosphate Esters</a>	<a href="#">Polynuclear Aromatic Hydrocarbons</a>	<a href="#">Polynuclear Aromatic Hydrocarbons (DLLME)</a>
<a href="#">Poly and Perfluorinated Alkyl Substances (PFAS)</a>	<a href="#">Pyridine</a>	<a href="#">Semi Volatile Organic Compounds (SVOCs)</a>	<a href="#">Solvents by Headspace GCMS</a>
<a href="#">Substituted Urea Herbicides</a>	<a href="#">Trace Level Pesticides by GC-MSMS with NCI</a>	<a href="#">Trace Level Pesticides and Selected Non-Polar Organic Compounds by GC-MSMS EI</a>	<a href="#">Volatile Fatty Acids</a>
<a href="#">Volatile Organic Compounds by Headspace GCMS</a>	<a href="#">Volatile Petroleum Hydrocarbons C5-C10</a>		

**Coventry Tests – Microbiology & Cryptosporidium**

<a href="#">Algae</a>	<a href="#">Chlorophyll</a>	<a href="#">Clostridia</a>	<a href="#">Cryptosporidium</a>
<a href="#">E. coli per gram dry weight by membrane filtration</a>	<a href="#">E coli per gram dry weight MPN</a>	<a href="#">Enterococci</a>	<a href="#">Enterococci in Waste &amp; Environmental Waters</a>
<a href="#">Giardia</a>	<a href="#">Heterotrophic plate count</a>	<a href="#">Legionella</a>	<a href="#">Pseudomonas aeruginosa</a>
<a href="#">Pseudomonas spp</a>	<a href="#">Salmonella spp</a>	<a href="#">Taste and Odour</a>	<a href="#">Total coliforms and E. coli</a>
<a href="#">Total Coliforms, Faecal Coliforms and E. coli in Waste &amp; Environmental Waters</a>	<a href="#">Total Viable Count in Process and Purified Waters</a>	<a href="#">Zooplankton</a>	



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**INORGANICS TESTS - COVENTRY LABORATORY**

**Alkalinity**

Autotitration

Documented In-House Method Based Upon  
(ISBN 0117516015, 1981)

**WAS025**

Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Land Leachate	Prepared Leachate	Process Water	Recreational 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	ISO/IEC 17025

**Biochemical Oxygen Demand (BOD)**

BOD robot and oxygen probes

Documented In-House Method Based Upon  
(BS EN ISO 5815-1:2019)

**WAS001**

Where quoted MCERTS performance standard - chemical testing of WATERS

Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled	Land Leachate	Prepared Leachate
ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	MCERTS	MCERTS	ISO/IEC 17025	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	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled	Land Leachate	Prepared Leachate
ISO/IEC 17025	ISO/IEC 17025	MCERTS	MCERTS	MCERTS	MCERTS	ISO/IEC 17025	ISO/IEC 17025

**Chlorophyll 'a'**

Analysis by Fluorimetry

Documented In-House Method Based Upon  
(Blue Book method 'The Determination of Chlorophyll a in Aquatic Environments 1980' section B)

**WAS079**

Analyte	Surface Water
Chlorophyll 'a'	ISO/IEC 17025



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Testing performed by the Organisation at the locations specified

**Colour**  
Spectrophotometric Analysis  
Documented In-House Method Based Upon  
(ISBN: 0117519553, 1981)  
**WAS065**

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**  
Spectrophotometric Analysis  
Documented In-House Method  
**WAS027**

Where quoted MCERTS performance 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 quoted MCERTS performance standard - chemical testing of WATERS

Analyte	Surface Water	Ground Water	Treated Sewage	Trade to Sewer	Trade to Controlled	Land Leachate	Process Water	Untreated Sewage
Free Cyanide	ISO/IEC 17025	ISO/IEC 17025	MCERTS	ISO/IEC 17025	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	ISO/IEC 17025
Complex Cyanide (calculation)	None	None	MCERTS	ISO/IEC 17025	None	ISO/IEC 17025	None	None
Cyanide: Total excluding iron cyanides	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025



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**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	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Land Leachate	Prepared Leachate	Process 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

**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

**Inhalable & Respirable Particulate Matter**  
Gravimetry  
Documented In-House Method Based Upon  
(MDHS 14/4:2014)  
**Method 75**

Filter Papers
ISO/IEC 17025



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**Monohydroxyphenol**  
Colorimetric by Continuous flow  
Documented In-House Method Based Upon  
(ISBN: 0-87553-161-X, 1990)

**WAS019**

Where quoted MCERTS performance standard - chemical testing of WATERS

Ground Water	Treated Sewage	Trade to Sewer	Land Leachate	Prepared Leachate
ISO/IEC 17025	MCERTS	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

Analyte	Surface Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Land Leachate	Clean Process Water	Recreational Water
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	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Nitrite	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Orthophosphate	ISO/IEC 17025	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Chloride	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Sulphate	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025

**Nutrients Low Level**  
Konelab discrete analyser  
Documented In-House Method

**WAS067**

Where quoted MCERTS performance standard - chemical testing of WATERS

Analyte	Ground Water	Treated Sewage	Trade to Sewer
Ammonia	ISO/IEC 17025	MCERTS	ISO/IEC 17025





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**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)

**WAS039**

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
pH	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	None
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 quoted 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 17025	MCERTS	MCERTS	MCERTS	MCERTS	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025



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**Suspended Solids & Ashed Solids @ 450°C**

Gravimetric Analysis  
Documented In-House Method Based Upon  
(ISBN: 011751957X, 1980)

**WAS006**

Where quoted 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
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
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)	MCERTS	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	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Land Leachate	Prepared Leachate	Process Water	Recreational 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	ISO/IEC 17025



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**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	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025

**Total Organic Carbon (TOC)**  
IR Analysis  
Documented In-House Method Based Upon  
(ISBN: 0117529796, 1995)  
**WAS005**

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

**Total Solids**  
Gravimetric Analysis  
Documented In-House Method Based Upon  
(ISBN: 0117517879, 1984)  
**CON 10**

Land (part of which is Soil)	Sediment	Sludge
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025

**Turbidity**  
Nephelometric Analysis  
Documented In-House Method Based Upon  
(ISBN: 0117519553, 1981)  
**WAS066**

Where quoted MCERTS performance standard - chemical testing of WATERS

Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Process Water
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	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	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)  
**WAS013**

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
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**

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



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**ALS Laboratories (UK) Limited**  
Issue No: 173 Issue date: 03 February 2025

Testing performed by the Organisation at the locations specified

**Metals by ICP-MS**  
Total and Dissolved metals by ICP-MS  
Documented In-House Method  
**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
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
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



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**Metals by ICP-MS**

Total and Dissolved metals by ICP-MS  
Documented In-House Method

**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
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

**Metals by ICP-OES**

Total and Dissolved metals by ICP-OES  
Documented In-House Method

**WAS049**

Analyte	Surface Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Process Water
Aluminium	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
Beryllium	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
Cadmium	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
Chromium	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
Copper	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
Lead	ISO/IEC 17025	ISO/IEC 17025	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
Magnesium	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
Nickel	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
Potassium	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025



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**Metals by ICP-OES**  
Total and Dissolved metals by ICP-OES  
Documented In-House Method  
**WAS049**

Analyte	Surface Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Process Water
Silver	ISO/IEC 17025	ISO/IEC 17025	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
Strontium	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None
Sulphur (total only)	None	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None
Tin	ISO/IEC 17025	ISO/IEC 17025	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
Vanadium	ISO/IEC 17025	ISO/IEC 17025	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
Calcium Hardness	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
Total Hardness	ISO/IEC 17025	ISO/IEC 17025	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	MCERTS
Zinc	MCERTS



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**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
Ioxynil	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
MCPB	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





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**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
Chloride	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	None
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	None	None	None	None	None	None	None	ISO/IEC 17025	ISO/IEC 17025
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**

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
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
Bromodichloromethane	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
Dibromochloromethane	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



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**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

Analyte	Surface Water	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled	Land Leachate	Prepared Leachate
o Xylene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None	ISO/IEC 17025	ISO/IEC 17025
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



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**Emerging Organic Contaminants**

Online SPE, HRAM LC-MS  
Documented In-House Method

**GEO 82**

Analyte	Surface Water	Ground Water	Saline Water
Metribuzin	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
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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**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/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



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**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	Land Leachate
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

**GEO 47**

Where quoted MCERTS performance standard - chemical testing of WATERS

Analyte	Surface Water	Ground Water	Treated Sewage	Trade to Sewer	Land Leachate
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



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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
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
Fenpropridin	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



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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
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

**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



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**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

**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
PFTTrDA; 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



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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
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
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



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**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 Sewage	Trade to Sewer	Land Leachate
Naphthalene	ISO/IEC 17025	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	ISO/IEC 17025
Acenaphthene	ISO/IEC 17025	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	ISO/IEC 17025
Phenanthrene	ISO/IEC 17025	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	ISO/IEC 17025
Fluoranthene	ISO/IEC 17025	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	ISO/IEC 17025
Benzo(a)Anthracene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Chrysene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Benzo(b)Fluoranthene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Benzo(a)Pyrene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Dibenz(ah)anthracene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Indeno(123-cd)Pyrene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Benzo(ghi)Perylene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Benzo(k)Fluoranthene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025

**Pyridine**  
Liquid/liquid Extraction, GC-MS  
Documented In-House Method  
**GEO 62**

Where quoted MCERTS 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	Treated Sewage	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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**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



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**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
Benz(a)anthracene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Chrysene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Bis(2-ethylhexyl)phthalate	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Di-n-octyl phthalate	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Benzo(b)fluoranthene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Benzo(k)fluoranthene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Benzo(a)pyrene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Indeno(1,2,3-cd)Pyrene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Dibenzo(ah)anthracene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Benzo(ghi)perylene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	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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**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 EI  
Documented In-House Method  
**GEO 78**

Where quoted MCERTS performance standard - chemical testing of WATERS

Analyte	Surface Water	Ground Water	Saline Water	Treated Sewage
Aclonifen	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None
Alachlor	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None
<i>Cyclodiene Pesticides (WFD sum of 4)</i>	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
<i>DDT - Total WFD</i>	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None
pp-DDE	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 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
<i>Sum Heptachlor &amp; Heptachlor epoxide (cis &amp; trans)</i>	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
<i>Hexachlorocyclohexane – Total WFD</i>	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
Quinoxifen	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
<i>PBDEs – Total WFD</i>	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 Sewage
BDE 154	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None
Terbutryn	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None
TBT	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	MCERTS
Trifluralin	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	None
<i>Trichlorobenzene – Total WFD</i>	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	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	Ground Water	Treated Sewage	Untreated Sewage	Trade to Sewer	Land Leachate	Prepared Leachate	Sludge
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 Leachate
1,1,1,2-Tetrachloroethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
1,1,1-Trichloroethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	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
1,1,2-Trichloroethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
1,1-Dichloroethane	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
1,1-Dichloroethene	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
1,1-Dichloropropene	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
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
MTBE	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
Total VPH C5-C10	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Aromatic/aliphatic fractionation and quantification according to carbon banding, typically:				
>C5-C7	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
>C8-C10	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 Sewage	Untreated Sewage	Drinking Water (non-regulatory)
Benzotriazole	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
Tolytriazole	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025

**6:2 and 8:2 FTOH**

SPE Extraction and GC-MSMS PCI

Documented In-House Method

**GEO 74**

Analyte	Surface Water	Ground Water	Saline Water
6:2 FTOH	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
8:2 FTOH	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025



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**MICROBIOLOGY & CRYPTOSPORIDIUM TESTS - COVENTRY LABORATORY**

<p><b>Algae</b> Microscopic Examination Documented In-House Method Based Upon (ISBN: 0117523070, 1990) <b>W44</b> Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended</p>		
Drinking Water	Surface Water	Process Water
DWTS	DWTS	ISO/IEC 17025

<p><b>Chlorophyll</b> Methanol Extraction and Spectrophotometric Analysis Documented In-House Method Based Upon (ISBN: 011 7516740 1980) <b>W45</b></p>	
Analyte	Surface Water
Chlorophyll	ISO/IEC 17025

<p><b>Clostridia</b> 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. <b>W8</b> Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended</p>				
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



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**Cryptosporidium & Giardia**

FiltaMax® and FiltaMax Xpress®, Immuno fluorescent staining for identification by microscopy  
Documented In-House Method Based Upon  
The Microbiology of Drinking Water (2010) Part 14 – Methods for the Isolation, Identification and Enumeration of  
Cryptosporidium oocysts and Giardia cysts.

**CRYM1, CRYM2, & CRYM3**

Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended

Analyte	Drinking Water	Surface Water	Ground Water
Cryptosporidium	DWTS	DWTS	DWTS
Giardia	DWTS	DWTS	DWTS

**Cryptosporidium & Giardia**

FiltaMax Xpress®, Immuno fluorescent staining for identification by microscopy  
Documented In-House Method Based Upon  
BS EN ISO15553:2006 - Water Quality- Isolation and Identification of Cryptosporidium oocysts and Giardia  
cysts from water.

**CRYM1, CRYM2 & CRYM3**

Analyte	Drinking Water (Non-Regulatory)
Cryptosporidium	ISO/IEC 17025
Giardia	ISO/IEC 17025

**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



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**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.

**W25**

Sewage Sludge

ISO/IEC 17025

**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	ISO/IEC 17025	ISO/IEC 17025

**Enterococci (presumptive and confirmed)**

Isolation and Enumeration by Membrane Filtration followed by traditional (membrane transfer to KAAA) 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.

**W58**

Surface Water	Treated Sewage Effluent	Sea Water	Recreational Water (natural)
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025





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**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.  
**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	Recreational Water
Count at 22°C	DWTS	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Count at 37°C	DWTS	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Count at 30°C	DWTS	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 Water
<i>Legionella</i> spp	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
<i>Legionella pneumophila</i> serogroup 1	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
<i>Legionella pneumophila</i> serogroups 2-15	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025

**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	Process Water (including High Purity & DI Waters used for endoscope rinsing)	Recreational Water
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025



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**Pseudomonas spp (presumptive and confirmed)**

Isolation and Enumeration by Membrane Filtration followed by traditional confirmation  
Documented In-House Method

**W9**

Drinking Water	Surface Water	Ground Water	Process Water
ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025

**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 the detection, 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 Based 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
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 Quality) Regulations 2016 (SI 2016/614) as amended

Analyte	Drinking Water	Surface Water	Ground Water	Process Water	Recreational Water
Total Coliforms	DWTS	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025



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**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 Quality) Regulations 2016 (SI 2016/614) as amended

Analyte	Drinking Water	Surface Water	Ground Water	Process Water	Recreational Water
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	Recreational Water (natural)
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	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025

**Total Aerobic Micro-organisms**

Isolation and Enumeration by pour plate and/or membrane filtration using R2A agar.  
Documented In-House Method Based Upon  
Health Technical Memorandum 01-06: Decontamination of flexible endoscopes Part E (2016).  
BS EN ISO11663:2015 - 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



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**Zooplankton (including veligers)**

Macroscopic Examination  
Documented In-House Method Based Upon  
(ISBN: 0-87553-161-X, 1989)

**W46**

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



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**SECTION 2**

**DETAIL OF ACCREDITATION at the WAKEFIELD LABORATORY**

**Wakefield Tests – Inorganics**

<a href="#">Alkalinity</a>	<a href="#">Biochemical Oxygen Demand</a>	<a href="#">Bromate</a>	<a href="#">Chemical Oxygen Demand</a>
<a href="#">Chlorate, Chlorite and Bromide</a>	<a href="#">Colour</a>	<a href="#">Fluoride</a>	<a href="#">Kjeldahl Nitrogen</a>
<a href="#">Nutrients</a>	<a href="#">Permanganate Index</a>	<a href="#">Petroleum Ether Extractable Matter</a>	<a href="#">pH and Conductivity</a>
<a href="#">Suspended Solids</a>	<a href="#">Suspended Solids &amp; Ashed Solids</a>	<a href="#">Total and Free Cyanide</a>	<a href="#">Total Dissolved Solids</a>
<a href="#">Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC)</a>	<a href="#">Total Solids &amp; Total Ash Solids</a>	<a href="#">Turbidity</a>	

**Wakefield Tests – Metals**

<a href="#">Dissolved (Filtered) and Total Metals</a>	<a href="#">Dissolved (Filtered) and Total Mercury</a>	<a href="#">Extractable Potassium and Magnesium</a>	<a href="#">Metals</a>
<a href="#">Sodium Bicarbonate Extractable Phosphorus</a>			

**Wakefield Tests – Organics**

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



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**Wakefield Tests – Microbiology**

<a href="#">Coliforms, and Escherichia coli</a>	<a href="#">Clostridium perfringens</a>	<a href="#">Enterococci</a>	<a href="#">Legionella (Confirmation only)</a>
<a href="#">Pseudomonas aeruginosa</a>	<a href="#">Pseudomonas spp</a>	<a href="#">Taste &amp; Odour</a>	<a href="#">Total Aerobic Micro-organisms</a>

**Wakefield Tests – Radiochemistry**

<a href="#">Gross Alpha and Beta Radioactivity</a>			
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**INORGANICS TESTS - WAKEFIELD LABORATORY**

**Alkalinity (to pH4.5)**

Manual Titration  
Documented in house Method Based Upon  
(ISBN: 0117516015, 1981)

**WWC 9**

Where quoted MCERTS performance standard - chemical testing of WATERS

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

Analyte	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled
pH	MCERTS	MCERTS	MCERTS	MCERTS
Conductivity (20°C)	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025

**pH**

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
DWTS	DWTS



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**pH**  
Ion Selective Electrode  
Documented In house Method Based Upon  
(ISBN: 0117512524, 1977)  
**WSC 11**

Soil	Sludge
ISO/IEC 17025	ISO/IEC 17025

**Conductivity**  
Manual 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**  
Manual Meter  
Documented in House 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

**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	Raw Water	Bottled Water	Process Water (High Purity & DI Water)
DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025





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**Fluoride**

Ion Selective Electrode  
Documented in House Method Based Upon  
(ISBN: 0117516627, 1982)

**WPC 20**

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)**

Gravimetry  
Documented in House 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

**Total Dissolved Solids (180°C)**

Gravimetry  
Documented in House Method Based Upon  
(ISBN: 011751957X, 1980)

**WPC 25**

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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**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

**Bromate**

Ion Chromatography with the Addition of Post Column Reagent (Dionex)  
Documented in House Method

**WPC 42**

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

**Bromate**

Ion Chromatography with the Addition of Post Column Reagent (Metrohm)  
Documented IN House Method

**WPC 54**

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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**Total and Free Cyanide**  
Continuous Flow Autoanalyzer  
Documented in House Method Based Upon  
(ISBN: 0875532233, 1995)

**WPC 65**

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)
Free Cyanide	DWTS	DWTS	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; 0117516015, 1981;  
0117515930, 1981; 0117515825, 1980)

**WPC 64**

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)
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
Alkalinity (bromophenol blue)	DWTS	DWTS	None	None

**Nutrients**

Gallery Plus Discrete Analysis  
Documented In House Method Based Upon  
(ISBN: 0117516260, 1981; 0117516139, 1981; 0117515930, 1981; 0117515825, 1980)

**WWC 50**

Where quoted MCERTS performance standard - chemical testing of WATERS

Analyte	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled
Ammonia	MCERTS	MCERTS	MCERTS	MCERTS



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**Nutrients**

Gallery Plus Discrete Analysis  
Documented In House Method Based Upon  
(ISBN: 0117516260, 1981; 0117516139, 1981; 0117515930, 1981; 0117515825, 1980)

**WWC 50**

Where quoted MCERTS performance standard - chemical testing of WATERS

Analyte	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled
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: 0117516260, 1981; 0117516139, 1981; 0117515930, 1981; 0117515825, 1980)

**WWC 50**

Where quoted MCERTS performance standard - chemical testing of WATERS

Analyte	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled
Soluble Reactive Phosphorus	MCERTS	MCERTS	MCERTS	MCERTS

**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**

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



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**Suspended Solids (105°C) Ashed Solids (450°C)**

Gravimetry  
Documented In House Method Based Upon  
(ISBN: 011751957X, 1980)

**WWC 21**

Where quoted MCERTS performance standard - chemical testing of WATERS

Analyte	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled
Suspended Solids (105°C)	MCERTS	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)	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**

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	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled
ISO/IEC 17025	MCERTS	MCERTS	MCERTS	MCERTS



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**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 Method Based Upon  
(ISBN: 011751960X, 1983)  
**WPC 47**

Where quoted DWTS - The Water Supply (Water Quality) 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



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**METALS TESTS - WAKEFIELD LABORATORY**

<b>Dissolved (Filtered) and Total Metals</b> Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) Documented In House Method Based Upon (ISBN: 0117532444,1996) <b>WPC 12</b> 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 (SO <sub>4</sub> )	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Silicon and Silica (SiO <sub>2</sub> )	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 CaCO <sub>3</sub> (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

<b>Dissolved (Filtered) and Total Metals</b> Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) Documented In House Method Based Upon (ISBN: 0117532444,1996) <b>WPC 49</b> 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
Manganese	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
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	Process Water (High Purity & DI Water)
Magnesium	DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025
Hardness as CaCO <sub>3</sub> (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  
If not filtered in the field, dets are ISO 17025 accredited only

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  
If not filtered in the field, dets are ISO 17025 accredited only

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

**Total Metals**

Inductively Coupled Plasma Mass Spectroscopy (ICP-MS)  
Documented In House Method Based Upon  
(ISO 17294-2:2003)

**WWC 46**

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
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	MCERTS	None	MCERTS	MCERTS
Phosphorus	MCERTS	MCERTS	MCERTS	MCERTS



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**Total Metals**

Inductively Coupled Plasma Mass Spectroscopy (ICP-MS)  
Documented In House Method Based Upon  
(ISO 17294-2:2003)

**WWC 46**

Where quoted MCERTS performance standard - chemical testing of WATERS

Analyte	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled
Uranium	MCERTS	MCERTS	MCERTS	MCERTS

**Dissolved (Filtered) Metals**

Inductively Coupled Plasma Mass Spectroscopy (ICP-MS)  
Documented In House Method Based Upon  
(ISO 17294-2:2003)

**WWC 46**

Where quoted MCERTS performance standard - chemical testing of WATERS  
If not filtered in the field, dets are ISO 17025 accredited only

Analyte	Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled
Aluminium	MCERTS	MCERTS	MCERTS	MCERTS
Chromium	MCERTS	MCERTS	MCERTS	MCERTS
Iron	MCERTS	MCERTS	MCERTS	MCERTS
Manganese	MCERTS	MCERTS	MCERTS	MCERTS
Nickel	MCERTS	MCERTS	MCERTS	MCERTS
Copper	MCERTS	MCERTS	MCERTS	MCERTS
Zinc	MCERTS	MCERTS	MCERTS	MCERTS
Arsenic	MCERTS	MCERTS	MCERTS	MCERTS
Cadmium	MCERTS	MCERTS	MCERTS	MCERTS
Lead	MCERTS	MCERTS	MCERTS	MCERTS
Selenium	MCERTS	None	MCERTS	MCERTS
Phosphorus	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



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**Total Metals**  
Boiling Acid Digestion followed by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS)  
Documented In House Method  
**WSC 16**

Analyte	Soil	Sludge
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
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	ISO/IEC 17025	ISO/IEC 17025
Calcium	ISO/IEC 17025	ISO/IEC 17025
Chromium	ISO/IEC 17025	ISO/IEC 17025
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



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**Metals**

Acid Digestion Followed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES)  
Documented In House Method

**WSC 6**

Analyte	Soil	Sludge
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
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  
If not filtered in the field, dets are ISO 17025 accredited only

Treated Sewage	Untreated Sewage	Trade to Sewer	Trade to Controlled
MCERTS	MCERTS	MCERTS	MCERTS



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**Mercury**  
Boiling Acid Digestion Followed by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS)  
Documented In House Method Based Upon  
(ISBN: 0117519081, 1986)  
**WSC 5**

Soil	Sludge
ISO/IEC 17025	ISO/IEC 17025

**Total Mercury**  
Inductively Coupled Plasma Mass Spectroscopy (ICP-MS)  
Documented In House Method Based Upon  
(ISBN: 0117532444, 1996)  
**WPC 21**  
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

**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



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**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
MTBE	DWTS	DWTS
o-Xylene	DWTS	DWTS
Tetrachloroethene	DWTS	DWTS
Trichloroethene	DWTS	DWTS
1,2 - Dibromoethane	DWTS	DWTS
Toluene	DWTS	DWTS

**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



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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(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

**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
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
MCPA	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
MCPB	DWTS	DWTS
MCPP (Mecoprop)	DWTS	DWTS
Pentachlorophenol	DWTS	DWTS
Picloram	DWTS	DWTS
Propamocarb	DWTS	DWTS
Triclopyr	DWTS	DWTS

**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
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
o,p'-DDT	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
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
Propham	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
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



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Testing performed by the Organisation at the locations specified

**Metalddehyde**

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 DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended

Analyte	Potable Water	Raw Water
Metalddehyde	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



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**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-Isobutyl-3-methoxypyrazine	DWTS	DWTS
2-methylisoborneol	DWTS	DWTS
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-methylisoborneol	DWTS	DWTS
2,4,6-Trichloroanisole	DWTS	DWTS



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**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
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**

Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended

Analyte	Potable Water	Raw Water
Atrazine	DWTS	DWTS
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



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**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
Epoxiconazole	DWTS	DWTS
EPTC	DWTS	DWTS
Flufenacet	DWTS	DWTS
Flurtamone	DWTS	DWTS
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



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**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
Propiconazole	DWTS	DWTS
Prothioconazole-desthio	DWTS	DWTS
Prosulfocarb	DWTS	DWTS
Quinmerac	DWTS	DWTS
Simazine	DWTS	DWTS
Spiroxamine	DWTS	DWTS
Tebuconazole	DWTS	DWTS
Terbutylazine	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





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Testing performed by the Organisation at the locations specified

**Phenols and Chlorophenols**

Pentafluorobenzoylation Liquid-Liquid Extraction and Detection by Gas Chromatography with Mass Spectrometric Detection

Documented In House Method

**WPC 70**

Where quoted DWTS - The Water Supply (Water Quality) Regulations 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



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Testing performed by the Organisation at the locations specified

**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
PFDaA	DWTS	DWTS
PFTTrDA	DWTS	DWTS
PFTeDA	DWTS	DWTS
PFHxDA	DWTS	DWTS
PFODA	DWTS	DWTS



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**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 Cl-PFESA	DWTS	DWTS
8:2 Cl-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



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**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

**Mesosulfuron-methyl**

Direct aqueous injection and LCQQQ  
Documented in House Method

**WPC 80**

Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended

Analyte	Potable Water	Raw Water
Mesosulfuron-methyl	DWTS	DWTS



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**Determination of Trihalomethanes, Halogenated Solvents, MTBE, TAME and BTEX Compounds**  
Headspace Gas Chromatography with Mass Spectrometry Detection  
Documented In-House Method  
**WPC 79**

Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended

Analyte	Potable Water	Raw Water (Surface and Ground Waters)
Trichloromethane	DWTS	DWTS
Bromodichloromethane	DWTS	DWTS
Dibromochloromethane	DWTS	DWTS
Tribromomethane	DWTS	DWTS
Tetrachloromethane	DWTS	DWTS
Trichloroethene	DWTS	DWTS
Tetrachloroethene	DWTS	DWTS
1,1,1-Trichloroethane	DWTS	DWTS
1,2-Dichloroethane	DWTS	DWTS
1,2-Dibromoethane	DWTS	DWTS
MethylTertiary Butyl Ether (MTBE)	DWTS	DWTS
TertAmylMethylEther (TAME)	DWTS	DWTS
Benzene	DWTS	DWTS
Ethylbenzene	DWTS	DWTS
Toluene	DWTS	DWTS
Meta-Xylene + Para-Xylene	DWTS	DWTS
Ortho-Xylene	DWTS	DWTS
1,1-Dichloroethane	DWTS	DWTS



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**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 Supply (Water Quality) Regulations 2016 (SI 2016/614) 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

**Coliforms, and Escherichia 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).

**WPM 4**

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



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**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.

**WPM 2**

Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended

Potable Water	Raw Water	Process Waters	Recreational Water
DWTS	DWTS	ISO/IEC 17025	ISO/IEC 17025

**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).

**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

**Pseudomonas spp (presumptive and confirmed)**

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
<i>Legionella</i> spp	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025
<i>Legionella pneumophila</i>	ISO/IEC 17025	ISO/IEC 17025	ISO/IEC 17025



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**Taste and Odour**

Assessed Panel

Documented In House Method Based Upon

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 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





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**RADIOCHEMISTRY TESTS – WAKEFIELD LABORATORY**

**Gross Alpha and Beta Radioactivity**  
Documented In House Method Based Upon  
(ISBN: 011751909X, 1985-1986)

**WPC 23**

Where quoted DWTS - The Water Supply (Water Quality) Regulations 2016 (SI 2016/614) as amended

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 – Inorganics**

<a href="#">Ammonia</a>	<a href="#">Formaldehyde - Visual Screening</a>		
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**DOL Tests – Organics**

<a href="#">Carbetamide, Chlortoluron, Diuron, Isoproturon and Linuron</a>	<a href="#">p-Cresol and Phenol</a>	<a href="#">Geomsin</a>	<a href="#">Mecoprop, MCPA and 2,4-D</a>
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**INORGANIC TESTS - DOL LABORATORY**

**Ammonia**

Spectrophotometry  
Documented In House Method Based Upon  
(ISBN: 0117516139, 1981)

**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**

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

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

<b>Carbetamide, Chlortoluron, Diuron, Isoproturon and Linuron</b> High Performance Liquid Chromatography With UV-Diode Array Detection Documented In House Method Based Upon (ISBN: 0117529281, 1994) <b>DOL 14</b>	
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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**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
Mecoprop	ISO IEC 17025
MCPA	ISO IEC 17025
2,4-D	ISO IEC 17025



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**SECTION 4**

**DETAIL OF ACCREDITATION for SAMPLING and ON-SITE TESTING**

**Sampling and On-site Analysis**

<a href="#">Ground Gas Monitoring</a>	<a href="#">Ground Water Sampling</a>	<a href="#">Legionella Sampling</a>	<a href="#">On-site effluent chlorine testing</a>
<a href="#">On-site potable chlorine &amp; temperature testing</a>	<a href="#">OSM Sampling</a>	<a href="#">Potable Water Sampling</a>	<a href="#">Sludge Sampling</a>
<a href="#">Surface Water Sampling</a>	<a href="#">Trade Effluent Sampling</a>	<a href="#">UWWTD Sampling</a>	



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**SAMPLING AND ON-SITE ANALYSIS**

<b>Ground Gas Monitoring</b> Using a GA 5000 multi gas analyser Documented In-House Method <b>COM 07</b>	
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

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

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

<b>On-site Effluent Chlorine Testing</b> Using colorimetry (meter) Documented In-House Method <b>OSM 11</b> 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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**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 quoted MCERTS performance standard - chemical testing of WATERS

Activity	Treated Sewage	Untreated Sewage
Sampling from Sewage Treatment Works	MCERTS	MCERTS

END