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For details on the full technical specification of the scheme, please refer to the AQUACHECK Scheme Description.

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Please indicate the samples and rounds required on pages 2-8.

| Clean Waters – Inorganic and Nutrients | | Round number(s) required |
|--|--|--------------------------|
| Sample | Target analytes(s) | |
| 1H Major Inorganic Components (Hard Water) | Calcium; Magnesium; Total Hardness; Alkalinity; Potassium; Sodium; Chloride; Sulfate; Fluoride; Conductivity (20°C); Kjeldahl Nitrogen; Total Phosphorus; Barium | |
| 1S Major Inorganic Components (Soft Water) | Calcium; Magnesium; Total Hardness; Alkalinity; Potassium; Sodium; Chloride; Sulfate; Fluoride; Conductivity (20°C); Kjeldahl Nitrogen; Total Phosphorus; Barium | |
| 2H Nutrients and Others (Hard Water) | Total oxidised nitrogen (TON); Silicate; Nitrite; Ammonia; Soluble reactive phosphorus (PO ₄); pH at 20-25°C; Conductivity (20°C); Colour; Permanganate index (PI); Total Cyanide; Free Cyanide; Nitrate; Total Dissolved Solids | |
| 2S Nutrients and Others (Soft Water) | Total oxidised nitrogen (TON); Silicate; Nitrite; Ammonia; Soluble reactive phosphorus (PO ₄); pH at 20-25°C; Conductivity (20°C); Colour; Permanganate index (PI); Total Cyanide; Free Cyanide; Nitrate; Total Dissolved Solids | |
| N.B: The per annum discount is applicable for all laboratories taking part in a combination of five rounds of 1H+1S or 2H+2S. | | |
| 1A Major Ions in Higher Salinity Potable Water | Sodium; Magnesium; Chloride; Sulfate; pH at 20-25°C; Conductivity (20°C); Total organic carbon (TOC); <div style="text-align: center;">Total Dissolved Solids</div> | |
| 2A pH in Poorly Buffered Waters | pH at 20-25°C – Low; pH at 20-25°C – High | |
| 3 Non-specific Analytes | BOD (5 day); COD; Suspended solids; Methylene blue active substances (MBAS); Non-ionic surfactants; Dissolved organic carbon; Turbidity | |
| 3A Inorganic Disinfection By-products | Bromide; Bromate; Chlorate (low level); Chlorite (low level); Chlorate (high level); Chlorite (high level) | |
| 3B Free Chlorine | Free Chlorine | |
| 3C Total Chlorine | Total Chlorine | |
| 4 Metals | Iron; Manganese; Copper; Aluminium; Zinc; Silver; Barium; Boron; Strontium; Lithium | |

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| Clean Waters – Inorganic and Nutrients continued | | Round number(s) required |
|---|--|--------------------------|
| Sample | Target analytes(s) | |
| 4G Metals in Groundwater (Preserved in 0.5% Nitric Acid) | Iron; Manganese; Copper; Aluminium; Zinc; Silver; Barium; Boron; Strontium; Lithium | |
| 5 Toxic Metals (Preserved in 0.5% Nitric Acid) | Cadmium; Lead; Nickel; Selenium; Arsenic; Antimony; Mercury; Cobalt; Vanadium; Chromium; Molybdenum; Tin; Beryllium; Titanium** | |
| 5A Metals for Hydride Generation (Preserved in 0.5% Hydrochloric Acid) | Arsenic; Selenium; Antimony; Tin | |
| 5B EQS Metals (Preserved in 0.5% Nitric Acid) | Cadmium; Copper; Total Chromium; Lead; Nickel; Zinc; Vanadium; Mercury | |
| 5C Chromium (VI) | Chromium (VI) | |
| 5G Toxic Metals in Groundwater (Preserved in 0.5% Nitric Acid) | Cadmium; Lead; Nickel; Selenium; Arsenic; Antimony; Mercury; Cobalt; Vanadium; Chromium; Molybdenum; Tin; Beryllium; Titanium**; Lanthanum** | |
| 34A## Water Framework Directive | Cadmium; Lead; Mercury; Nickel | |
| 59## Bottled Mineral Water | Calcium; Magnesium; Potassium; Sodium; Bicarbonate; Chloride; Sulfate; Nitrate; pH; TDS/Dry Residue | |

| Clean Waters – Organic | | Round number(s) required |
|--|--|--------------------------|
| Sample | Target analytes(s) | |
| 6A Haloforms & Chlorinated Solvents | Chloroform; Bromodichloromethane; Dibromochloromethane; Bromoform; Trichloroethene; Tetrachloroethene; Carbon Tetrachloride; 1,2 Dichloroethane | |
| 6B Phenols | Phenol; 2-Chlorophenol; 4-Chlorophenol; 3-Bromophenol**; 2,4-Dichlorophenol; 2,4,6-Trichlorophenol; Pentachlorophenol; 2,5-Dimethylphenol**; 3,5-Dimethylphenol**; 2-Methylphenol (o-cresol)**; 3-Methylphenol (m-cresol)**; 4-Methylphenol (p-cresol)**; Total monosubstituted methylphenols**; 4-Chloro-3-methylphenol**; 2,6-Dichlorophenol**; 2,4,5-Trichlorophenol**; 2,4-Dimethylphenol**; Nonylphenol** | |
| 6C Benzene, Toluene & Xylenes | Benzene; Toluene; Ethylbenzene; Styrene; o-Xylene; m-Xylene; p-Xylene; Total xylene; m+ p-Xylene; 1,2,4-trimethylbenzene**; MTBE (methyl tert-butyl ether) | |
| 7A Organochlorine Pesticides | Endrin; Dieldrin; Aldrin; p,p'-DDT; o,p'-DDT; p,p'-DDE; o,p'-DDE**; p,p'-DDD; o,p'-DDD (TDE)**; Alpha Hexachlorocyclohexane; Beta Hexachlorocyclohexane; Delta Hexachlorocyclohexane; Lindane (Gamma HCH); Trifluralin; Alpha Endosulphan; Beta Endosulphan; Hexachlorobenzene; Heptachlor; Heptachlor epoxide; Pentachlorobenzene; Pendimethalin** Cis-chlordane**; Trans-chlordane** Methoxychlor**; Endosulfan Sulfate**; Endrin Aldehyde** | |
| 7B Chlorinated Solvents | Hexachlorobutadiene; Carbon Tetrachloride; Tetrachloroethene; 1,2,4-Trichlorobenzene; Trichloroethene; 1,1,1-Trichloroethane; 1,3,5 Trichlorobenzene; 1,2,3-Trichlorobenzene; 1,2-Dichloroethane; Chloroform | |
| 7C Polycyclic Aromatic Hydrocarbons | Fluoranthene; Benzo(b)fluoranthene; Benzo(k)fluoranthene; Benz(a)pyrene; Benzo(ghi)perylene; Indeno(1,2,3-cd)pyrene Acenaphthene; Acenaphthylene; Anthracene; Benz(a)anthracene; Chrysene; Dibenz(ah)anthracene; Fluorene; Naphthalene; Perylene; Phenanthrene; Pyrene | |
| 7D Polychlorinated Biphenyls | PCB (28); PCB (52); PCB (101); PCB (118); PCB (138); PCB (153); PCB (180); PCB (149)**; PCB (170)** | |
| 8 Acid Herbicides | 2,4,5-T**; 2,4,5-TP (Fenoprop)**; 2,4-D; 2,4-DB; Dicamba; 2,3,6-TBA**; Picloram**; Clopyralid**; Fluroxypyr**; Benazolin**; Mecoprop; Dichlorprop; Quinmerac**; MCPA; MCPB; Triclopyr; Bentazone; Bromoxynil; Dichlobenil**; loxynil; Metaldehyde; Alachlor**; Metazachlor**; Propachlor**; S-metolachlor**; Flufenacet**; Propyzamide; Asulam**; Chloridazon**; Napropamide**; Glyphosate; AMPA | |

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| Clean Waters – Organic continued | | Round number(s) required |
|---|--|--|
| Sample | Target analytes(s) | |
| 8B Triazines & Urea Herbicides | Isoproturon; Diuron; Linuron; Chlortoluron; Monuron; Chloroxuron ^{**} ; Metoxuron ^{**} ; Monolinuron ^{**} ; Methabenzthiazuron ^{**} ; Iodosulfuron methyl ^{**} ; Mesosulfuron methyl ^{**} ; Metsulfuron methyl ^{**} ; Thifensulfuron methyl ^{**} ; Tribenuron methyl ^{**} ; Diflufenican ^{**} ; Bromacil ^{**} ; Simazine; Atrazine; Propazine; Cyanazine ^{**} ; Trietazine ^{**} ; Prometryn ^{**} ; Terbutryn ^{**} ; Ametryn ^{**} ; Desethylatrazine ^{**} ; Desisopropylatrazine ^{**} ; Terbutylazine ^{**} ; Cyromazine ^{**} ; Carbetamide ^{**} ; Pirimicarb ^{**} ; Carbofuran ^{**} ; Methiocarb ^{**} ; Prosulfocarb ^{**} ; Metamitron ^{**} ; Metribuzin ^{**} ; Florasulam ^{**} | |
| 9 Organophosphorus Pesticides | Azinphos-methyl; Azinphos-ethyl; Dichlorvos; Fenitrothion; Malathion; Mevinphos; Chlorfenvinphos; Diazinon; Fenthion; Parathion-ethyl; Parathion-methyl; Chlorpyrifos; Cypermethrin; Propetamphos ^{**} ; Dimethoate ^{**} ; Ethion ^{**} ; Carbophenothion [*] ; Demeton ^{**} ; Demeton-O ^{**} ; Demeton-S ^{**} ; Dioxathion ^{**} ; Disulfoton ^{**} ; Ethoprophos ^{**} ; Famphur ^{**} ; Fenchlorphos ^{**} ; Fonofos ^{**} ; Phorate ^{**} ; Phosmet ^{**} ; Terbufos ^{**} ; Tetrachlorvinphos ^{**} | |
| 26 PFOS & PFOA | PFOS; PFOA | |
| 28 Formaldehyde | Formaldehyde | |
| 33 ^{##} Chlorophyll a | Chlorophyll a | |
| 34B ^{##} | Water Framework Directive | FAtrazine; Diuron; Isoproturon; Simazine |
| 34C ^{##} | | Alachlor; Chlorfenvinphos; Chlorpyrifos |
| 34D ^{##} | | 4-n Pentyphenol; 4-n Hexylphenol; 4-n Heptylphenol; 4 tert-Octylphenol; 4-n-Nonylphenol; Pentachlorophenol; Bisphenol A |
| 34E ^{##} | | Endosulphan; Hexachlorobenzene; Hexachlorocyclohexane; Pentachlorobenzene; Trifluralin; Hexachlorobutadiene |
| 34F ^{##} | | Benz(a)pyrene; Benzo(b)fluoranthene; Benzo(ghi)perylene; Benzo(k)fluoranthene; Indeno(123-cd)pyrene; Anthracene; Fluoranthene |
| 34G ^{##} | | Tributyltin compounds |
| 34H ^{##} | | 1,2-Dichloroethane; Dichloromethane; Trichlorobenzenes; Trichloromethane |
| 34I ^{##} | | 2,4,4-Tribromodiphenylether (BDE 28); 2,2,4,4,5-Pentabromodiphenylether (BDE 99); 2,2,4,4,5,6-Hexabromodiphenylether (BDE 154) |
| 34J ^{##} | | DEHP; Benzene; Naphthalene |
| 36 ^{##} Taste & Odour | | TFN; TON |
| 37 ^{##} Acrylamide | Acrylamide | |
| 38 ^{##} UV Absorbing Organic Constituents | UV absorption | |
| 39 ^{##} Geosmin & MIB | Geosmin; Methyl isoborneol | |
| 40 ^{##} Fungicides | Carbendazim; Chlorothalonil; Fenpropimorph; Flutriafol; Epoxyconazole; Flusilazole; Cyproconazole; Tebuconazole; Azoxystrobin; Boscalid; Kresoxym-methyl; Cyprodinil; Propiconazole; Prothioconazole | |
| 41 ^{##} Microcystin | Microcystin-LR; Microcystin-YR; Microcystin-RR | |
| 43 ^{##} Triclosan | Triclosan | |
| 44 ^{##} Haloacetic Acids | Monochloroacetic acid; Dichloroacetic acid; Trichloroacetic acid; Monobromoacetic acid; Dibromoacetic acid; Tribromoacetic acid; Bromochloroacetic acid; Bromodichloroacetic acid; Dibromochloroacetic acid; 2,2-Dichloropropionic acid | |
| 52 ^{##} Low Level CIP2 contaminants | Benzo(a)pyrene; Fluoranthene; Cypermethrin; PFOS; PFOA | |
| 53 ^{##} EQSD Directive – Low Level Triazines | Simazine; Atrazine; Terbutryn; Alachlor; Diclofol; Bifenox; Quinoxifen | |
| 55 ^{##} Volatile Organic Compounds (Fumigants) | Bromomethane; 1,2-Dibromo-3-chloropropane; 1,4-Dichlorobenzene; 1,2-Dichloropropane; cis-1,3-Dichloropropene; trans-1,3-Dichloropropene; 1,2-Dibromoethane; 1,2,3-Trichloropropane | |
| 56 ^{##} EQSD Directive – Low Level Organophosphorus & Chlorinated Solvents | Dichlorvos; Fenitrothion; Malathion; Chlorfenvinphos; Diazinon; Chlorpyrifos; Hexachlorobutadiene; 1,2,3-Trichlorobenzene; 1,2,4-Trichlorobenzene; 1,3,5-Trichlorobenzene | |
| 57 ^{##} Pharmaceuticals | Ibuprofen; Propranolol; Ofloxacin; Oxytetracycline; Salicylic acid; Fluoxetine; Diclofenac; Naproxen | |

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| Clean Waters – Organic continued | | Round number(s) required |
|--|---|--------------------------|
| Sample | Target analytes(s) | |
| 58## EQSD Directive – Low Level Organochlorines TRIAL | Endrin; Dieldrin; Aldrin; p,p'-DDT; o,p'-DDT; p,p'-DDE; p,p'-DDD; Alpha Hexachlorocyclohexane; Beta Hexachlorocyclohexane; Delta Hexachlorocyclohexane; Lindane (Gamma HCH); Trifluralin; Alpha Endosulphan; Beta Endosulphan; Hexachlorobenzene; Heptachlor; Heptachlor epoxide; Pentachlorobenzene; Pendimethalin | |
| 65## Explosives in groundwater | 1,3,5-Trinitrobenzene; 1,3-Dinitrobenzene; 2,4-Dinitrotoluene; 2,6-Dinitrotoluene; 2-Amino-4,6-dinitrotoluene; 2-Nitrotoluene; 3-Nitrotoluene; 4-Amino-2,6-dinitrotoluene; 4-Nitrotoluene; Diphenylamine; Nitrobenzene; PETN (Pentaerythritol tetranitrate); HMX (Octogen) | |
| 66## Neonicotinoids in groundwater NEW | Clothianidin; Imidacloprid; Thiamethoxam; Acetamiprid; Thiachloprid | |

| Clean Waters – Qualitative | | Round number(s) required |
|---|---|--------------------------|
| Sample | Target analytes(s) | |
| 22 Qualitative Organics by GCMS in Clean Water | Ten organic analytes are provided for qualitative identification. This sample is designed to test the ability of laboratories to identify organic compounds via GCMS analysis. | |
| 22A Qualitative Organics by Purge and Trap GCMS in Clean Water | Six organic analytes are provided for qualitative identification. This sample is designed to test the ability of laboratories to identify organic compounds via purge and trap GCMS analysis. | |
| 25 Qualitative Determination in Clean Water | The intent of this sample is to test the ability of laboratories to detect and identify an unknown contaminant in surface/potable waters. This sample is designed for laboratories which may be involved in investigating potentially contaminated potable or surface waters and tests both the extraction and identification stages of investigations. | |

| Waste Waters and Effluents – Inorganic and Nutrients | | Round number(s) required |
|--|--|--------------------------|
| Sample | Target analytes(s) | |
| 10 Nutrients and other analytes | Total oxidised nitrogen (TON); Nitrate; Nitrite; Ammonia; Silicate; Soluble Reactive Phosphorus (PO ₄); Chloride; Total Cyanide; Kjeldahl Nitrogen; Free Cyanide; Total Nitrogen; Total Phosphorus | |
| 11 Non-specific Analytes | BOD (5 day); COD; Suspended solids; Methylene blue active substances (MBAS); Dissolved/Total organic carbon; Turbidity; Non-ionic surfactants | |
| 12 Metals (Preserved in 0.5% Nitric Acid) | Antimony ^{**} ; Arsenic; Aluminium; Chromium; Beryllium ^{**} ; Iron; Manganese; Cadmium; Copper; Lead; Nickel; Zinc; Mercury; Selenium; Molybdenum; Tellurium ^{**} ; Uranium ^{**} ; Titanium ^{**} | |
| 12C Chromium (VI) in Waste Water | Chromium (VI) | |
| 15 Settleable Solids | Settleable solids | |
| 29 High and Low COD | COD – high; COD – low | |
| 35## BOD/COD at high concentration | COD; BOD | |

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| Waste Waters and Effluents – Industrial Waste Waters | | Round number(s) required |
|--|---|--------------------------|
| Sample | Target analytes(s) | |
| 17A Major Waste Water Analytes | pH at 20-25°C; Settled chemical oxygen demand (COD); Total COD; Suspended Solids; Conductivity (20°C); Total dissolved solids; Non filterable COD; Salinity | |
| 17B Total Phenol, Cyanide and Sulfate | Total Phenol; Cyanide; Sulfate | |
| 17C Metals (Preserved in 0.5% Nitric Acid) | Aluminium; Antimony; Arsenic; Barium; Boron; Beryllium ^{**} ; Cadmium; Chromium; Cobalt; Copper; Iron; Lead; Manganese; Molybdenum; Mercury; Nickel; Selenium; Silver; Tin; Vanadium; Zinc; Titanium ^{**} | |
| 17D Ammonia, Phosphate & Nitrogen | Ammonia; Soluble Reactive Phosphorus (PO ₄); Total Phosphorus; Total Nitrogen | |
| 32^{##} Sulfide | Total sulfide | |
| 60^{##} M-Certs | Ammonia; COD; Conductivity (20°C); Nitrate; Nitrite; Orthophosphate; pH at 20-25°C; Total arsenic; Total copper; Total mercury; Total cadmium; Total lead; Total nickel; Turbidity | |
| 63^{##} Acetate & Iodide | Acetate; Iodide | |

| Waste Waters and Effluents – Organic | | Round number(s) required |
|---|---|--------------------------|
| Sample | Target analytes(s) | |
| 18A Haloforms & Chlorinated Solvents | Chloroform; Bromodichloromethane; Dibromochloromethane; Bromoform; Trichloroethene; Tetrachloroethene; Carbon Tetrachloride; 1,2 Dichloroethane | |
| 18B Phenols | Phenol; 2-Chlorophenol; 4-Chlorophenol; 3-Bromophenol ^{**} ; 2,4-Dichlorophenol; 2,4,6-Trichlorophenol; Pentachlorophenol; 2,5-Dimethylphenol ^{**} ; 3,5-Dimethylphenol ^{**} ; 2-Methylphenol (o-cresol) ^{**} ; 3-Methylphenol (m-cresol) ^{**} ; 4-Methylphenol (p-cresol) ^{**} ; Total monosubstituted methylphenols ^{**} ; 4-Chloro-3-methylphenol ^{**} ; 2,6-Dichlorophenol ^{**} ; 2,4,5-Trichlorophenol ^{**} ; 2,4-Dimethylphenol ^{**} ; Nonylphenol ^{**} | |
| 18C Benzene, Toluene & Xylenes | Benzene; Toluene; Ethylbenzene; Styrene; o-Xylene; m-Xylene; p-Xylene; Total xylene; m-+ p-Xylene | |
| 19A Organochlorine Pesticides | Endrin; Dieldrin; Aldrin; p,p'-DDT; o,p'-DDT; p,p'-DDE; o,p'-DDE ^{**} ; p,p'-DDD; o,p'-DDD (TDE) ^{**} ; Alpha Hexachlorocyclohexane (HCH); Beta Hexachlorocyclohexane (HCH); Delta Hexachlorocyclohexane (HCH); Lindane (Gamma HCH); Trifluralin; Alpha endosulphan; Beta endosulphan; Hexachlorobenzene; Heptachlor; Heptachlor epoxide; Pentachlorobenzene; Pendimethalin ^{**} ; Cis-chlordane ^{**} ; Trans-chlordane ^{**} ; Methoxychlor ^{**} ; Endosulfan Sulfate ^{**} ; Endrin Aldehyde ^{**} | |
| 19B Chlorinated Solvents | Hexachlorobutadiene; Carbon Tetrachloride; Tetrachloroethene; 1,2,4-Trichlorobenzene; Trichloroethene; 1,1,1-Trichloroethane; 1,3,5-Trichlorobenzene; 1,2,3-Trichlorobenzene; 1,2-Dichloroethane; Chloroform | |
| 19C Polycyclic Aromatic Hydrocarbons | Fluoranthene; Benzo(b)fluoranthene; Benzo(k)fluoranthene; Benz(a)pyrene; Benzo(ghi)perylene; Indeno(1,2,3-cd)pyrene; Acenaphthene; Acenaphthylene; Anthracene; Benz(a)anthracene; Chrysene; Dibenz(ah)anthracene; Fluorene; Naphthalene; Perylene; Phenanthrene; Pyrene | |
| 19D Polychlorinated Biphenyls | PCB (28); PCB (52); PCB (101); PCB (118); PCB (138); PCB (153); PCB (180); PCB (149) ^{**} ; PCB (170) ^{**} | |
| 20 Acid Herbicides | 2,4,5-T ^{**} ; 2,4,5-TP (Fenoprop) ^{**} ; 2,4-D; 2,4-DB; Dicamba; 2,3,6-TBA ^{**} ; Clopyralid ^{**} ; Fluoroxypyr ^{**} ; Benazolin ^{**} ; Mecoprop; Dichlorprop; MCPA; MCPB; Triclopyr; Bentazone; Bromoxynil; Dichlobenil ^{**} ; Ioxynil; Metaldehyde; Metazachlor ^{**} ; Propachlor ^{**} ; Propyzamide; Glyphosate; AMPA | |
| 20B Triazines and Urea Herbicides | Isoproturon; Diuron; Linuron; Chlortoluron; Monuron; Methabenzthiazuron ^{**} ; Diflufenican ^{**} ; Bromacil ^{**} ; Simazine; Atrazine; Propazine; Cyanazine ^{**} ; Trietazine ^{**} ; Prometryn ^{**} ; Terbutryn ^{**} ; Ametryn ^{**} ; Carbetamide ^{**} ; Pirimicarb ^{**} ; Metamitron ^{**} | |
| 21 Organophosphorus Pesticides | Azinphos-methyl; Azinphos-ethyl; Dichlorvos; Fenitrothion; Malathion; Mevinphos; Chlorfenvinphos; Diazinon; Fenthion; Parathion-ethyl; Parathion-methyl; Chlorpyrifos; Cypermethrin; Propetamphos ^{**} ; Ethion ^{**} ; Carbophenothion [*] ; Demeton ^{**} ; Demeton-O ^{**} ; Demeton-S ^{**} ; Dioxathion ^{**} ; Disulfoton ^{**} ; Ethoprophos ^{**} ; Famphur ^{**} ; Fenchlorphos ^{**} ; Fonofos ^{**} ; Phorate ^{**} ; Phosmet ^{**} ; Terbufos ^{**} ; Tetrachlorvinphos ^{**} | |
| 23 Mineral Oil in Water | Volume of sample provided; Total Hydrocarbons C10-C40 by GC Analysis; Total Hydrocarbons C10-C40 by IR Analysis; Total Hydrocarbons C10-C40 by Gravimetric Analysis | |
| 24 Oil & Grease in Water | Volume of sample provided; Total Oil and Grease | |

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| Waste Waters – Organic continued | | Round number(s) required |
|---|--|--------------------------|
| Sample | Target analytes(s) | |
| 27 AOX in Wastewater | AOX | |
| 51## Synthetic Pyrethroid Insecticides TRIAL | Bifenthrin; Cyfluthrin; Cypermethrin; Flumethrin; cis-Permethrin; trans-Permethrin | |
| 64## Trihalomethanes & Nutrients in Swimming pool water | Trichloromethane; Bromodichloromethane; Dibromodichloromethane; Tribromomethane; Total trihalomethanes (TTHM); pH at 20-25°C; Total organic carbon (TOC); Total Alkalinity; Total Hardness; Total Dissolved Solids | |

| Radiochemistry | | Round number(s) required |
|--|---|--------------------------|
| Sample | Target analytes(s) | |
| 30 Gross Alpha and Gross Beta in Clean Water | Gross Alpha as ²³⁹ Plutonium; Gross Alpha as ²⁴¹ Americium; Gross Alpha as ²³⁰ Thorium; Gross Beta as ⁴⁰ Potassium; Gross Beta as ¹³⁷ Caesium; Gross Beta as ⁹⁰ Strontium | |
| 31 Aqueous Tritium in Clean Water | Aqueous Tritium | |
| 42## Plutonium and Uranium | Plutonium-239; Uranium-234; Uranium-235; Uranium-238; Total Uranium | |

| Marine Waters | | Round number(s) required |
|----------------------------|---|--------------------------|
| Sample | Target analytes(s) | |
| 61## Sea Water - Nutrients | Total oxidised nitrogen (TON); Nitrate; Total Phosphorus; Potassium; Sulfate; Magnesium; Calcium; Alkalinity; Ammonia; Total Nitrogen; Orthophosphate; pH at 20-25°C; Conductivity (20°C); Silicate; Total Dissolved Solids | |
| 62## Sea Water - Metals | Arsenic; Boron; Cadmium; Copper; Iron; Manganese; Molybdenum; Strontium; Zinc; Barium; Lithium; Sodium; Sulfur; Nickel; Cobalt; Lead; Selenium | |

| Sewage Sludge – Inorganic | | Round number(s) required |
|---|---|--------------------------|
| Sample | Target analytes(s) | |
| 13 Sewage Sludge Inorganics & Specific Elements | Arsenic; Cadmium; Chromium; Copper; Lead; Mercury; Molybdenum; Nickel; Vanadium; Zinc; Selenium; Total boron; Fluoride; Total nitrogen; Total phosphorus; Total potassium; Cobalt; Iron; Manganese; Total carbon**; Total Sulphur** | |
| 16 Compositional Analysis of Sewage Sludge | Total Solids (105±5°C); Loss on ignition (500±5°C); pH at 20-25°C; Calcium; Magnesium; Ammoniacal Nitrogen** | |

| Soils – Inorganic | | Round number(s) required |
|---|---|--------------------------|
| Sample | Target analytes(s) | |
| 14 Agricultural Soil Inorganics & Specific Elements | Arsenic; Cadmium; Chromium; Copper; Lead; Mercury; Molybdenum; Nickel; Vanadium; Zinc; Selenium; Total boron; Water extractable boron; Fluoride; Total nitrogen; Total phosphorus; Total potassium; Cobalt; Iron; Manganese; Total solids; Loss on ignition; pH at 20-25°C; Extractable phosphorus; Extraction of potassium; Extraction of magnesium; Extraction of sodium; Organic carbon content; Conductivity; Carbonate content | |

| Ecotoxicology | | Round number(s) required |
|------------------------|--|--------------------------|
| Sample | Target analytes(s) | |
| 50 Ecotoxicology Tests | <i>Daphnia Magna</i> 48hr EC50; <i>Daphnia Magna</i> 24hr EC50; <i>Vibrio Fischeri</i> 30 minute IC50 (ISO 11348-3); Other 30 minute luminescent bacteria IC50 tests; 15 minute luminescent bacteria IC50 tests; Freshwater algae growth inhibition test (<i>Pseudokirschneriella subcapitata</i>) | |

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Extra samples

For additional waters or spikes please specify your requirements below stating clearly the number of additional samples and the round(s).

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Please note:

- Please contact LGC Proficiency Testing for prices.
- VAT (charged at the prevailing rate) is payable by all participants based in the UK.
- Participants will pay an additional fee to cover courier charges. For details please contact LGC Proficiency Testing.
- All courier charges set by LGC Proficiency Testing do not include local import charges, taxes (etc.), which must be paid by the participant.
- Do not send remittance with this form, you will be invoiced subsequently for the full year's participation.
- No refunds will be given for failure to take part in any round of the PT scheme or for cancellation of rounds that have already been invoiced.
- LGC Proficiency Testing reserves the right to not send samples or the report for previous samples to any participant that has not paid their subscriptions within the terms stated on the invoice.
- LGC Proficiency Testing cannot guarantee the number of participants that will return results for any particular parameter in each round.
- The prices stated are for reporting results and receiving reports electronically via PORTAL (internet reporting).
- Aquacheck Trial samples will be run subject to the registration of a sufficient number of participants and LGC Proficiency Testing reserves the right not to provide the samples should they prove technically impractical.
- Surplus PT samples (Quality Control Material) are available; please contact LGC Proficiency Testing for further information.
- By signing this application form, you are agreeing to comply by LGC's Standard Terms and Conditions for the Supply of Laboratory Quality Products and Services.

Existing customers

If you would like to change your marketing preferences, please visit our [preference centre](#) or contact ptcustomerservices@lgcgroup.com

New customers

LGC would like to contact you by email, phone or post about its products, services and related areas or research. LGC does not sell contact details to external parties. You may unsubscribe at any time.

- Yes, I am happy to be contacted about LGC's products, services and research
- No, I do not require marketing information about LGC's products and services at this time

Signature

Date