

Please ensure that LGC receive your order as soon as possible in order to avoid stock shortages. Please note that orders received the week prior to the despatch date may be subject to a despatch delay.

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

Please fill in your address details below:

Send Test Materials to:	Send Invoices to:
Contact name:	Contact name:
Department:	Department:
Company:	Company:
Address:	Address:
Town/City:	Town/City:
Post/Zip Code:	Post/Zip Code:
Country:	Country:
Tel:	Tel:
Fax:	Fax:
E-mail:	E-mail:
	VAT no:

Send Report Notifications to:	
Contact name:	#An email will be sent to this address to notify when the report is available to download from PORTAL, the online reporting system
E-mail#:	

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	

**Please note that these analytes are not currently within the scope of LGC's UKAS accreditation.

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	

**Please note that these analytes are not currently within the scope of LGC's UKAS accreditation.

##Please note that these samples are not currently within the scope of LGC's UKAS accreditation.

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	

^{**}Please note that these analytes are not currently within the scope of LGC's UKAS accreditation.

^{##}Please note that these samples are not currently within the scope of LGC's UKAS accreditation.

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	

^{**}Please note that these analytes are not currently within the scope of LGC's UKAS accreditation.

^{##}Please note that these samples are not currently within the scope of LGC's UKAS accreditation.

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 ^{**} ; Dimethoate NEW ; 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	

^{**}Please note that these analytes are not currently within the scope of LGC's UKAS accreditation.

^{##}Please note that these samples are not currently within the scope of LGC's UKAS accreditation.

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>)	

**Please note that these analytes are not currently within the scope of LGC's UKAS accreditation.

##Please note that these samples are not currently within the scope of LGC's UKAS accreditation.

Extra samples

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

.....

.....

.....

.....

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 axiopt@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