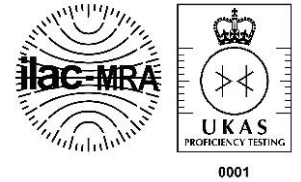




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			Samples 样品编号																																												
Round 轮次	Despatch Date 发样日期	Reporting Deadline 汇报截止日期	Clean Waters 纯净水																	Radio Chem 放射化学		Waste Waters 废水								Soils & Sludges 土壤&污泥		Eco tox 生态毒性															
AQ580	2020/1/13	2020/2/10	4G	5G	6A	6B	6C	7A	7B	7C	7D	8	8B	9	22	22A	25	26	28	33*	37*	30	31																						14		
AQ581	2020/1/27	2020/2/24	1H	1S	2H	2S	2A	3	4	5	5A	5B	5C	36*								42*																									
AQ582	2020/2/10	2020/3/09	1A	3A	3B	3C																			18A	18B	18C	19A	19B	19C	19D	20	20B	21	23	24	27									50	
AQ583	2020/2/24	2020/3/23																							10	11	12	12C	15	17A	17B	17C	17D	29	32*										13	16	
AQ584	2020/4/01	2020/5/11	4G	5G	6A	6B	6C	7A	7B	7C	7D	8	8B	9	22	22A	25	26	28	33*	37*	52*	30	31																							
AQ585	2020/4/27	2020/5/26	1H	1S	2H	2S	2A	3	4	5	5A	5B	5C	36*	41*										60*																				14		
AQ586	2020/5/11	2020/6/08	1A	3A	3B	3C	34A*	34B*	34C*	34D*	34E*	53*													18A	18B	18C	19A	19B	19C	19D	20	20B	21	23	24	27									50	
AQ587	2020/5/26	2020/6/22																							10	11	12	12C	15	17A	17B	17C	17D	29	32*	61*									13	16	
AQ588	2020/6/22	2020/7/20	4G	5G	6A	6B	6C	7A	7B	7C	7D	8	8B	9	22	25	38*	39*	40*	43*		30	31																								
AQ589	2020/7/13	2020/8/10	1H	1S	2H	2S	3	4	5	5B	51*											42*																							14		
AQ590	2020/7/27	2020/8/24	1A	3A	3B	3C	44*	54*																	18A	18C	19A	19B	19C	19D	20	20B	21	23	24												
AQ591	2020/8/10	2020/9/07																							10	11	12	12C	17A	17B	17C	17D	32*	35*	62*											13	16
AQ592	2020/8/24	2020/9/21	4G	5G	6A	6B	6C	7A	7B	7C	7D	8	8B	9	22	25	26	28	33*	37*	57*	30	31																								
AQ593	2020/9/14	2020/10/12	1H	1S	2H	2S	2A	3	4	5	5A	5B	5C	36*	59*																															14	
AQ594	2020/9/28	2020/10/26	1A	3A	3B	3C	56*																		18A	18B	18C	19A	19B	19C	19D	20	20B	21	23	24	27									50	
AQ595	2020/10/12	2020/11/09																							10	11	12	12C	15	17A	17B	17C	17D	29	32*	63*									13	16	
AQ596	2020/10/26	2020/11/23	4G	5G	6A	6B	6C	7A	7B	7C	7D	8	8B	9	22	22A	25	38*	39*	40*	43*	55*	30	31																							
AQ597	2020/11/09	2020/12/07	1H	1S	2H	2S	3	4	5	5B	41*														60*																					14	
AQ598	2020/11/23	2021/1/04	1A	3A	3B	3C	44*	52*	34F*	34G*	34H*	34I*	34J*	58*											18A	18C	19A	19B	19C	19D	20	20B	21	23	24											50	
AQ599	2020/12/07	2021/1/11																							10	11	12	12C	17A	17B	17C	17D	32*	35*	64*											13	16
AQ600	2021/1/11	2021/2/08	4G	5G	6A	6B	6C	7A	7B	7C	7D	8	8B	9	22	22A	25	26	28	33*	37*	52*	30	31																							
AQ601	2021/1/25	2021/2/22	1H	1S	2H	2S	2A	3	4	5	5A	5B	5C	36*	51*							42*																							14		
AQ602	2021/2/08	2021/3/08	1A	3A	3B	3C	54*																		18A	18B	18C	19A	19B	19C	19D	20	20B	21	23	24	27									50	
AQ603	2021/2/22	2021/3/22																							10	11	12	12C	15	17A	17B	17C	17D	29	32*	61*										13	16

*Please note that these samples are not currently within the scope of LGC's UKAS accreditation and trial samples 51-64 will be run subject to the registration of a sufficient number of participants.

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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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Clean Waters – Organic 洁净水-有机成分	
Sample	Target analytes(s)
6A Haloforms & Chlorinated Solvents 卤仿和氯化溶剂	Chloroform; Bromodichloromethane; Dibromochloromethane; Bromoform; Trichloroethene; Tetrachloroethene; Carbon Tetrachloride; 1,2 Dichloroethane 氯仿; 二氯溴甲烷; 二溴氯甲烷; 溴仿; 三氯乙烯; 四氯乙烯; 四氯化碳; 1,2-二氯乙烷
6B Phenols 酚类	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** 苯酚; 2-氯苯酚; 4-氯苯酚; 3-溴苯酚; 2,4-二氯苯酚; 2,4,6-三氯苯酚; 五氯苯酚; 2,5-二甲基苯酚; 3,5-二甲基苯酚; 2-甲基苯酚(邻甲基苯酚); 3-甲基苯酚(间甲基苯酚); 4-甲基苯酚(对甲基苯酚); 总单取代甲基苯酚
6C Benzene, Toluene & Xylenes 苯, 甲苯, 二甲苯	Benzene; Toluene; Ethylbenzene; Styrene; o-Xylene; m-Xylene; p-Xylene; Total xylene; m+ p-Xylene; 1,2,4-trimethylbenzene**; MTBE (methyl tert-butyl ether) 苯; 甲苯; 乙苯; 苯乙烯; 邻二甲苯; 间二甲苯; 对二甲苯; 二甲苯(总); 间+对二甲苯; 1,2,4-三甲苯; 甲基叔丁基醚(MTBE)
7A Organochlorine Pesticides 有机氯农药	Spiking solution 7A(1) 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** Spiking solution 7A(2) Cis-chlordane**; Trans-chlordane** Methoxychlor** 加标溶液7A(1) 异狄氏剂; 狄氏剂; 艾氏剂; p,p'-DDT; o,p-DDT; p,p'-DDE; o,p'-DDE**; p,p'-DDD; o,p'-DDD (TDE)**; α -六六六; β -六六六; δ -六六六; 林丹(γ -六六六); 氟乐灵; α -硫丹; β -硫丹; 六氯苯; 七氯; 环氧七氯; 五氯苯; 二甲戊乐灵 加标溶液7A(2) 顺式氯丹; 反式氯丹; 甲氧滴滴涕
7B Chlorinated Solvents 氯化溶剂	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 六氯丁二烯; 四氯化碳; 四氯乙烯; 1,2,4-三氯苯; 三氯乙烯; 1,1,1-三氯乙烷; 1,3,5-三氯苯; 1,2,3-三氯苯; 1,2-二氯乙烷; 氯仿
7C Polycyclic Aromatic Hydrocarbons 多环芳烃	Spiking solution 7C(1) Fluoranthene; Benzo(b)fluoranthene; Benzo(k)fluoranthene; Benz(a)pyrene; Benzo(g,h,i)perylene; Indeno(1,2,3-cd)pyrene Spiking solution 7C(2) Acenaphthene; Acenaphthylene; Anthracene; Benz(a)anthracene; Chrysene; Dibenz(a,h)anthracene; Fluorene; Naphthalene; Perylene; Phenanthrene; Pyrene 加标溶液7C(1) 荧蒽; 苯并(b)荧蒽; 苯并(k)荧蒽; 苯并(a)芘; 苯并(g,h,i)芘; 茚并(1,2,3-cd)芘 加标溶液7C(2) 芘; 苊烯; 苊; 苯并(a)苊; 苊; 二苯并(a,h)苊; 苊; 蔡; 花; 菲; 芘
7D Polychlorinated Biphenyls 多氯联苯	PCB (28); PCB (52); PCB (101); PCB (118); PCB (138); PCB (153); PCB (180)
8 Acid Herbicides 酸性除草剂	Spiking solution 8(1) 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 Spiking solution 8(2) Bentazone; Bromoxynil; Dichlobenil**; Ioxynil; Metaldehyde; Alachlor**; Metazachlor**; Propachlor**; S-metolachlor**; Flufenacet**; Propyzamide; Asulam**; Chloridazon**; Napropamide** Spiking solution 8(3) Glyphosate; AMPA 加标溶液8(1) 2,4,5-T**; 2,4,5-TP(涕丙酸)**; 2,4-D; 2,4-DB; 麦草畏; 2,3,6-TBA**; 毒莠定**; 二氯吡啶酸**; 氟草定**; 草除灵**; 2-甲-4-氯丙酸; 2,4-滴丙酸; 氯甲唑啉酸**; 二甲四氯; 2-甲-4-氯丁酸; 三氯吡氧乙酸 加标溶液8(2) 苯达松; 溴草腈; 敌草腈**; 碘草腈; 灭蜗灵; 甲草胺**; 吡啶草胺**; 毒草胺**; 异丙甲草胺**; 氟唑草胺**; 拿草胺; 黄草灵**; 杀草敏**; 敌草胺** 加标溶液8(3) 草甘膦; 氨基磷

LGC Proficiency Testing, 1 Chamberhall Business Park, Chamberhall Green, Bury, BL9 0AP, UK.

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<p>8B Triazines & Urea Herbicides 三嗪和取代脲类除草剂</p>	<p>Spiking solution 8B(1) Isoproturon; Diuron; Linuron; Chlortoluron; Monuron; Chloroxuron**; Metoxuron**; Monolinuron**; Methabenzthiazuron**; Iodosulfuron methyl**; Mesosulfuron methyl**; Metsulfuron methyl**; Thifensulfuron methyl**; Tribenuron methyl**; Diflufenican**; Bromacil** Spiking solution 8B(2) Simazine; Atrazine; Propazine; Cyanazine**; Trietazine**; Prometryn**; Terbutryn**; Ametryn**; Desethylatrazine**; Desisopropylatrazine**; Terbutylazine**; Cyromazine**; Carbetamide**; Pirimicarb**; Carbofuran**; Methiocarb**; Prosulfocarb**; Metamitron**; Metribuzin**; Florasulam** 加标溶液 8B(1) 异丙隆; 敌草隆; 利谷隆; 绿麦隆; 灭草隆; 枯草隆**; 甲氧隆**; 绿谷隆**; 噻唑隆**; 甲磺隆**; 甲磺胺隆**; 甲磺隆**; 噻磺隆**; 苯磺隆**; 吡氟酰草胺**; 除草定** 加标溶液 8B(2) 西马嗪; 莠去津; 扑灭津; 草净津**; 草达津**; 扑草净**; 去草净**; 莠灭净**; 二丁基阿特拉津**; 脱异丙基阿特拉津**; 特丁津**; 灭蝇胺**; 双酰草胺**; 抗蚜威**; 卡巴呋喃**; 灭虫威**; 苄草丹**; 苯嗪草酮**; 赛克津**; 双氟磺草胺**</p>
<p>9 Organophosphorus Pesticides 有机磷杀虫剂</p>	<p>Azinphos-methyl; Azinphos-ethyl; Dichlorvos; Fenitrothion; Malathion; Mevinphos; Chlorfenvinphos; Diazinon; Fenthion; Parathion-ethyl; Parathion-methyl; Chlorpyrifos; Cypermethrin; Propetamphos**; Dimethoate** 谷硫磷; 益棉磷; 敌敌畏; 杀螟松; 马拉硫磷; 速灭磷; 毒虫畏; 二嗪农; 倍硫磷; 乙基对硫磷; 甲基对硫磷; 毒死蜱; 氯氰菊酯; 胺丙畏**; 乐果**</p>
<p>26 PFOS & PFOA 全氟辛烷磺酸和全氟辛酸</p>	<p>PFOS; PFOA 全氟辛烷磺酸; 全氟辛酸</p>
<p>28 Formaldehyde 甲醛</p>	<p>Formaldehyde 甲醛</p>
<p>33^{##} Chlorophyll a 叶绿素 a</p>	<p>Chlorophyll a 叶绿素 a</p>
<p>34B^{##}</p>	<p>Atrazine; Diuron; Isoproturon; Simazine 阿特拉津; 敌草隆; 异丙隆; 西玛津</p>
<p>34C^{##}</p>	<p>Alachlor; Chlorfenvinphos; Chlorpyrifos 甲草胺; 毒虫畏; 毒死蜱</p>
<p>34D^{##}</p>	<p>4-n Pentylphenol; 4-n Hexylphenol; 4-n Heptylphenol; 4 tert-Octylphenol; 4-n-Nonylphenol; Pentachlorophenol; Bisphenol A 4-正戊基苯酚; 4-正己基苯酚; 4-正庚基苯酚; 4-叔辛基苯酚; 4-壬基苯酚; 五氯酚; 双酚 A</p>
<p>34E^{##}</p>	<p>Endosulphan; Hexachlorobenzene; Hexachlorocyclohexane; Pentachlorobenzene; Trifluralin; Hexachlorobutadiene 硫丹; 六氯苯; 六氯环己烷; 五氯苯; 氟乐灵; 六氯丁二烯</p>
<p>34F^{##}</p>	<p>Water Framework Directive 欧盟水框架指令</p> <p>Benz(a)pyrene; Benzo(b)fluoranthene; Benzo(g,h,i)perylene; Benzo(k)fluoranthene; Indeno(1,2,3-cd)pyrene; Anthracene; Fluoranthene 苯并(a)芘; 苯并(b)荧蒽; 苯并(g,h,i)芘; 苯并(k)荧蒽; 茚并(1,2,3-cd)芘; 蒽; 荧蒽</p>
<p>34G^{##}</p>	<p>Tributyltin compounds 三丁基锡化合物</p>
<p>34H^{##}</p>	<p>1,2-Dichloroethane; Dichloromethane; Trichlorobenzenes; Trichloromethane 1,2-二氯乙烷; 二氯甲烷; 三氯苯; 三氯甲烷</p>
<p>34I^{##}</p>	<p>2,4,4-Tribromodiphenylether (BDE 28); 2,2,4,4,5-Pentabromodiphenylether (BDE 99); 2,2,4,4,5,6-Hexabromodiphenylether (BDE 154) 2,4,4-三溴二苯醚 (BDE 28); 2,2,4,4,5-五溴二苯醚 (BDE 99); 2,2,4,4,5,6-六溴二苯醚 (BDE154)</p>
<p>34J^{##}</p>	<p>DEHP; Benzene; Naphthalene 邻苯二甲酸二异辛酯; 苯; 萘</p>
<p>36^{##} Taste & Odour 味道和气味</p>	<p>TFN; TON 味道极限值; 气味极限值</p>
<p>37^{##} Acrylamide</p>	<p>Acrylamide</p>

LGC Proficiency Testing, 1 Chamberhall Business Park, Chamberhall Green, Bury, BL9 0AP, UK.

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丙烯酸胺	丙烯酸胺
38^{##} UV Absorbing Organic Constituents 紫外吸收有机成分	UV absorption 紫外吸收
39^{##} Geosmin & MIB 土臭素和甲基异龙脑	Geosmin; Methyl isoborneol 土臭素; 甲基异龙脑
40^{##} Fungicides 杀菌剂	Carbendazim; Chlorothalonil; Fenpropimorph; Flutriafol; Epoxyconazole; Flusilazole; Cyproconazole; Tebuconazole; Azoxystrobin; Boscalid; Kresoxym-methyl; Cyprodinil; Propiconazole; Prothioconazole 多菌灵; 百菌清; 丁苯吗啉; 粉唑醇; 环唑醇; 氟硅唑; 环丙唑醇; 戊唑醇; 啞菌酯; 啞菌酯; 啞菌环胺; 丙环唑; 丙硫菌唑
41^{##} Microcystin 微囊藻毒素	Microcystin-LR; Microcystin-YR; Microcystin-RR 微囊藻毒素-LR; 微囊藻毒素-YR; 微囊藻毒素-RR
43^{##} Triclosan 三氯苯氧氯酚	Triclosan 三氯苯氧氯酚
51^{##} TRIAL Synthetic Pyrethroid Insecticides 拟除虫菊酯合成杀虫剂试验样	Bifenthrin; Cyfluthrin; Cypermethrin; Flumethrin; Permethrin 联苯菊酯; 氯氟菊酯; 氯氰菊酯; 氟菊酯; 氯菊酯
52^{##} TRIAL Low Level CIP2 contaminants 低浓度 CIP2 污染物试验样	Benzo(a)pyrene; Fluoranthene; Cypermethrin; PFOS; PFOA 苯并(a)芘; 荧蒽; 氯氰菊酯; 全氟辛烷磺酸; 全氟辛酸
53^{##} TRIAL EQSD Directive – Low Level Triazines TRIAL - 三嗪类限量检测 (EQSD 指令) 试验样	Simazine; Atrazine; Terbutryn; Alachlor; Diclofol; Bifenox; Quinoxifen 西玛津; 莠去津; 去草津; 甲草胺; 三氯杀螨醇; 治草醚; 啞氧灵
54^{##} TRIAL Semi-Volatile Organic Compounds 半挥发性有机化合物试验样	Participants are provided with a solution containing six semi volatile organic compounds (SVOCs) for quantitative determination. A list of potential analytes is provided in the Scheme Description (appendix B). 向参与者提供含有六种半挥发性有机化合物 (SVOCs) 的溶液, 用于定量测定。可能存在的分析物清单见方案说明 (附录 B)。
55^{##} TRIAL Volatile Organic Compounds (Fumigants) 挥发性有机化合物 (熏蒸剂) 试验样	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 溴甲烷; 1,2-二溴-3-氯丙烷; 1,4-二氯苯; 1,2-二氯丙烷; 顺式-1,3-二氯丙烯; 反式-1,3-二氯丙烯; 1,2-二溴乙烷; 1,2,3-三氯丙烷
56^{##} TRIAL EQSD Directive – Low Level Organophosphorus & Chlorinated Solvents EQSD 指令-低限量有机磷和氯化溶剂试验样	Dichlorvos; Fenitrothion; Malathion; Chlorfenvinphos; Diazinon; Chlorpyrifos; Hexachlorobutadiene; 1,2,3-Trichlorobenzene; 1,2,4-Trichlorobenzene; 1,3,5-Trichlorobenzene 敌敌畏; 杀螟松; 马拉硫磷; 毒虫畏; 二嗪农; 毒死蜱; 六氯丁二烯; 1,2,3-三氯苯; 1,2,4-三氯苯; 1,3,5-三氯苯
57^{##} TRIAL Pharmaceuticals 药物试验样	Ibuprofen; Propranolol; Ofloxacin; Oxytetracycline; Salicylic acid; Fluoxetine; Diclofenac; Naproxen 布洛芬; 普萘洛尔; 氧氟沙星; 土霉素; 水杨酸; 氟西汀; 双氯芬酸; 萘普生
58^{##} TRIAL EQSD Directive – Low Level Organochlorines EQSD 指令-低限度有机氯试验样	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 异狄氏剂; 狄氏剂; 艾氏剂; p,p'-DDT; o,p'-DDT; p,p'-DDE; p,p'-DDD; α-六六六; β-六六六; δ-六六六; 林丹 (γ-六六六); 氟乐灵; α-硫丹; β-硫丹; 六氯苯; 七氯; 环氧七氯; 五氯苯; 二甲戊乐灵

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Sewage Sludge – Inorganic 污水底泥 – 无机待分析物	
Sample	Target analytes(s)
13 Sewage Sludge Inorganics & Specific Elements 污泥中无机物和指定元素分析	Arsenic; Cadmium; Chromium; Copper; Lead; Mercury; Molybdenum; Nickel; Vanadium; Zinc; Selenium; Total boron; Fluoride; Total nitrogen; Total phosphorus; Total potassium; Cobalt; Iron; Manganese 砷; 镉; 铬; 铜; 铅; 汞; 钼; 镍; 钒; 锌; 硒; 总硼; 氟化物; 总氮; 总磷; 全钾; 钴; 铁; 锰
16 Compositional Analysis of Sewage Sludge 污泥成分分析	Total Solids (105±5°C); Loss on ignition (500±5°C); pH at 20-25°C; Calcium; Magnesium; Ammoniacal Nitrogen** 总固体含量 (105±5°C); 灼烧失重 (500±5°C); pH 值 (20-25°C); 钙; 镁; 氨氮**

Soils – Inorganic 土壤 – 无机待分析物	
Sample	Target analytes(s)
14 Agricultural Soil Inorganics & Specific Elements 农业土壤无机物和指定元素分析	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 砷; 镉; 铬; 铜; 铅; 汞; 钼; 镍; 钒; 锌; 硒; 全硼; 水溶性硼; 氟化物; 总氮; 总磷; 总钾; 钴; 铁; 锰; 总固体; 灼烧失重; pH 值 (20-25°C); 可萃取磷; 萃取钾; 萃取镁; 萃取钠; 有机碳含量; 电导率; 碳酸盐含量

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Waste Waters and Effluents – Inorganic and Nutrients 废水及排出物 – 无机和营养物质	
Sample	Target analytes(s)
10 Nutrients and other analytes 营养盐和其他分析物	Total oxidised nitrogen (TON); Nitrate; Nitrite; Ammonia; Silicate; Soluble Reactive Phosphorus (PO ₄); Chloride; Total Cyanide; Kjeldahl Nitrogen; Free Cyanide; Total Nitrogen; Total Phosphorus 总氧化氮 (TON); 硝酸盐; 亚硝酸盐; 氨; 硅酸盐; 可溶性活性磷 (PO ₄); 氯化物; 总氰化物; 凯氏氮; 游离氰化物; 全氮; 总磷
11 Non-specific Analytes 非特性参数	BOD (5 day); COD; Suspended solids; Methylene blue active substances (MBAS); Dissolved/Total organic carbon; Turbidity; Non-ionic surfactants 生化需氧量 (BOD, 5 天); 化学需氧量; 悬浮物; 亚甲基蓝活性物质 (MBAS); 溶解/总有机碳; 浊度; 非离子表面活性剂
12 Metals (Preserved in 0.5% Nitric Acid) 金属 (贮藏于 0.5% 硝酸)	Antimony**; Arsenic; Aluminium; Chromium; Beryllium**; Iron; Manganese; Cadmium; Copper; Lead; Nickel; Zinc; Mercury; Selenium; Molybdenum; Tellurium**; Uranium**; Titanium** 铟**; 砷; 铝; 铬; 铍**; 铁; 锰; 镉; 铜; 铅; 镍; 锌; 汞; 硒; 钼; 碲**; 铀**; 钛**
12C Chromium (VI) in Waste Water 废水中的六价铬	Chromium (VI) 六价铬
15 Settleable Solids 可沉降固体	Settleable solids 可沉降固体
29 High and Low COD 高和低化学需氧量	COD – high; COD – low 化学需氧量-高; 化学需氧量-低
35## BOD/COD at high concentration 在高浓度下生化需氧量/ 化学需氧量	COD; BOD 化学需氧量; 生化需氧量

Waste Waters and Effluents – Industrial Waste Waters 废水及排出物 – 工业废水	
Sample	Target analytes(s)
17A Major Waste Water Analytes 废水中主要分析物	pH at 20-25°C; Settled chemical oxygen demand (COD); Total COD; Suspended Solids; Conductivity (20°C); Total dissolved solids; Non filterable COD; Salinity pH 值 (20-25°C); 化学需氧量 (COD); 总 COD; 悬浮物; 电导率 (20°C); 总溶解固体; 不可过滤 COD; 盐度
17B Total Phenol, Cyanide and Sulfate 总酚, 氰化物, 硫酸盐	Total Phenol; Cyanide; Sulfate 总酚; 氰化物; 硫酸盐
17C Metals 金属	Aluminium; Antimony; Arsenic; Barium; Boron; Beryllium**; Cadmium; Chromium; Cobalt; Copper; Iron; Lead; Manganese; Molybdenum; Mercury; Nickel; Selenium; Silver; Tin; Vanadium; Zinc; Titanium** 铝; 铟; 砷; 钡; 硼; 铍**; 镉; 铬; 钴; 铜; 铁; 铅; 锰; 钼; 汞; 镍; 硒; 银; 锡; 钒; 锌; 钛**
17D Ammonia, Phosphate & Nitrogen 氨, 磷酸盐和氮	Ammonia; Soluble Reactive Phosphorus (PO ₄); Total Phosphorus; Total Nitrogen 氨; 可溶性活性磷 (PO ₄); 总磷; 总氮
32## Sulfide 硫化物	Total sulfide 总硫化物
60## TRIAL 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 氨; 化学需氧量 (COD); 电导率 (20°C); 硝酸盐; 亚硝酸盐; 正磷酸盐; pH 值 (20-25°C); 总砷; 总铜; 总汞; 总镉; 总铅; 总镍; 浊度

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61## TRIAL Saline Water – Nutrients 盐水-营养素	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 总氧化氮 (TON); 硝酸盐; 总磷; 钾; 硫酸盐; 镁; 钙; 碱度; 氨; 总氮; 正磷酸盐; pH 值 (20-25°C); 电导率 (20°C); 硅酸盐
62## TRIAL Saline Water – Metals 盐水-金属	Arsenic; Boron; Cadmium; Copper; Iron; Manganese; Molybdenum; Strontium; Zinc; Barium; Lithium; Sodium; Sulfur; Nickel; Cobalt; Lead; Selenium 砷; 硼; 镉; 铜; 铁; 锰; 钼; 镉; 锌; 钡; 锂; 钠; 硫; 镍; 钴; 铅; 硒
63## TRIAL Acetate & Iodide 乙酸盐&碘化物	Acetate; Iodide 乙酸盐; 碘化物

Waste Waters – Organic 废水 - 有机	
Sample	Target analytes(s)
18A Haloforms & Chlorinated Solvents 卤化物和氯化溶剂	Chloroform; Bromodichloromethane; Dibromochloromethane; Bromoform; Trichloroethene; Tetrachloroethene; Carbon Tetrachloride; 1,2 Dichloroethane 氯仿; 二氯溴甲烷; 二溴氯甲烷; 溴仿; 三氯乙烯; 四氯乙烯; 四氯化碳; 1,2 二氯乙烷
18B Phenols 酚类	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** 苯酚; 2-氯苯酚; 4-氯苯酚; 3-溴苯酚; 2,4-二氯苯酚; 2,4,6-三氯苯酚; 五氯苯酚; 2,5-二甲苯酚; 3,5-二甲苯酚; 2-甲基苯酚 (邻甲基苯酚); 3-甲基苯酚 (间甲基苯酚); 4-甲基苯酚 (对甲基苯酚); 总单取代甲基苯酚
18C Benzene, Toluene & Xylenes 苯、甲苯和二甲苯	Benzene; Toluene; Ethylbenzene; Styrene; o-Xylene; m-Xylene; p-Xylene; Total xylene; m-+ p-Xylene 苯; 甲苯; 乙苯; 苯乙烯; 邻二甲苯; 间二甲苯; 对二甲苯; 总二甲苯; 间+对二甲苯
19A Organochlorine Pesticides 有机氯农药	Spiking solution 19A(1) 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** Spiking solution 19A(2) Cis-chlordane**; Trans-chlordane**; Methoxychlor** 加标溶液19A (1) 异狄氏剂; 狄氏剂; 艾氏剂; p,p'-DDT; o,p'-DDT; p,p'-DDE; o,p'-DDE**; p,p'-DDD; o,p'-DDD (TDE)**; α-六六六; β-六六六; δ-六六六; 林丹 (γ-六六六); 氟乐灵; α-硫丹; β-硫丹; 六氯苯; 七氯; 环氧七氯; 五氯苯; 二甲戊乐灵 加标溶液 19A (2) 顺式氯丹; 反式氯丹; 甲氧滴滴涕
19B Chlorinated Solvents 氯化溶剂	Hexachlorobutadiene; Carbon Tetrachloride; Tetrachloroethane; 1,2,4-Trichlorobenzene; Trichloroethene; 1,1,1-Trichloroethane; 1,3,5-Trichlorobenzene; 1,2,3-Trichlorobenzene; 1,2-Dichloroethane; Chloroform 六氯丁二烯; 四氯化碳; 四氯乙烯; 1,2,4-三氯苯; 三氯乙烯; 1,1,1-三氯乙烷; 1,3,5-三氯苯; 1,2,3-三氯苯; 1,2-二氯乙烷; 氯仿
19C Polycyclic Aromatic Hydrocarbons 多环芳烃	Spiking solution 19C(1) Fluoranthene; Benzo(b)fluoranthene; Benzo(k)fluoranthene; Benz(a)pyrene; Benzo(ghi)perylene; Indeno(1,2,3-cd)pyrene Spiking solution 19C(2) Acenaphthene; Acenaphthylene; Anthracene; Benz(a)anthracene; Chrysene;

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	Dibenz(ah)anthracene; Fluorene; Naphthalene; Perylene; Phenanthrene; Pyrene 加标溶液19C(1) 芘; 苯并(b)芘; 苯并(k)芘; 苯并(a)芘; 苯并(g,h,i)芘; 苝并(1,2,3-cd)芘 加标溶液19C(2) 苝; 苝烯; 苝; 苯并(a)苝; 苝; 二苯并(a,h)苝; 苝; 苝; 苝; 苝; 苝
20 Acid Herbicides 酸性除草剂	Spiking solution 20(1) 2,4,5-T**; 2,4,5-TP (Fenoprop)**; 2,4-D; 2,4-DB; Dicamba; 2,3,6-TBA**; Clopyralid**; Fluroxypyr**; Benazolin**; Mecoprop; Dichlorprop; MCPA; MCPB; Triclopyr Spiking solution 20(2) Bentazone; Bromoxynil; Dichlobenil**; Ioxynil; Metaldehyde; Metazachlor**; Propachlor**; Propyzamide Spiking solution 20(3) Glyphosate; AMPA 加标溶液20(1) 2,4,5-T**; 2,4,5-TP(涕丙酸)**; 2,4-D; 2,4-DB; 麦草畏; 2,3,6-TBA**; 二氯吡啶酸**; 氟 草定**; 草除灵**; 2-甲-4-氯丙酸; 2,4-滴丙酸; 二甲四氯; 2-甲-4-氯丁酸; 三氯吡氧乙酸 加标溶液20(1) 苯达松; 溴草腈; 敌草腈**; 碘草腈; 灭蜗灵; 吡啶草胺**; 毒草胺**; 拿草胺 加标溶液20(1) 草甘膦; 氨基磷
20B Triazines and Urea Herbicides 三嗪和取代脲类除 草剂	Spiking solution 20B(1) Isoproturon; Diuron; Linuron; Chlortoluron; Monuron; Methabenzthiazuron**; Diflufenican**; Bromacil** Spiking solution 20B(2) Simazine; Atrazine; Propazine; Cyanazine**; Trietazine**; Prometryn**; Terbutryn**; Ametryn**; Carbetamide**; Pirmicarb**; Metamitron** 加标溶液 20B(1) 异丙隆; 敌草隆; 利谷隆; 绿麦隆; 灭草隆; 噻啶隆**; 吡氟酰草胺**; 除草定** 加标溶液 20B(2) 西马嗪; 莠去津; 扑灭津; 草净津**; 草达津**; 扑草净**; 去草净**; 莠灭净**; 双酰草 胺**; 抗蚜威**; 苯嗪草酮**
21 Organophosphorus Pesticides 有机磷农药	Azinphos-methyl; Azinphos-ethyl; Dichlorvos; Fenitrothion; Malathion; Mevinphos; Chlorfenvinphos; Diazinon; Fenthion; Parathion-ethyl; Parathion-methyl; Chlorpyrifos; Cypermethrin; Propetamphos** 谷硫磷; 益棉磷; 敌敌畏; 杀螟松; 马拉硫磷; 速灭磷; 毒虫畏; 二嗪农; 倍硫磷; 乙基对硫磷; 甲基对硫 磷; 毒死蜱; 氯氰菊酯; 胺丙畏**
23 Mineral Oil in Water 水中矿物油	Volume of sample provided; Total Hydrocarbons by GC Analysis; Total Hydrocarbons by IR Analysis; Total Hydrocarbons by Gravimetric Analysis 提供的样品体积; 气相色谱分析法-总烃含量; 红外分析法-总烃含量; 重量分析法-总烃含量
24 Oil & Grease in Water 水中油脂分析	Volume of sample provided; Total Oil and Grease 提供的样品体积; 总油和油脂
27 AOX in Wastewater 废水中的可吸收卤 化物	AOX 可吸收卤化物
64** TRIAL Trihalomethanes & Nutrients in Recreational Water 再生水中的三卤甲 烷和营养物质	Trichloromethane; Bromodichloromethane; Dibromodichloromethane; Tribromomethane; Total trihalomethanes (TTHM); pH at 20-25°C; Total organic carbon (TOC); Total Alkalinity; Total Hardness; Total Dissolved Solids 三氯甲烷; 二氯溴甲烷; 二溴二氯甲烷; 三溴甲烷; 总三卤甲烷 (TTHM); pH 值 (20-25°C); 总有机 碳 (TOC); 总碱度; 总硬度; 总溶解固体

Radiochemistry 放射化学	
Sample	Target analytes(s)
30 Gross Alpha and Gross Beta in Clean Water 净水中总 Alpha 和总 Beta	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 总α为 ²³⁹ 钚; 总α为 ²⁴¹ 镅; 总α为 ²³⁰ 钍; 总β为 ⁴⁰ 钾; 总β为 ¹³⁷ 铯; 总β为 ⁹⁰ 锶
31 Aqueous Tritium in Clean Water 含氚洁净水	Aqueous Tritium 水氚

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42 ^{##} Plutonium and Uranium 钚和铀	Plutonium-239; Uranium-234; Uranium-235; Uranium-238; Total Uranium 钚-239; 铀-234; 铀-235; 铀-238; 总铀
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Qualitative Waters 水体定性分析	
Sample	Target analytes(s)
22 Qualitative Organics by GCMS in Clean Water GCMS 有机物定性分析	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. 提供 10 种有机分析物进行定性鉴别。该样品旨在测试实验室通过 GCMS 分析鉴别有机化合物的能力
22A Qualitative Organics by Purge and Trap GCMS in Clean Water GCMS 吹扫捕集有机物定性分析	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. 提供 6 种有机分析物进行定性鉴别。该样品旨在测试实验室通过吹扫和捕集 GCMS 分析鉴别有机化合物的能力。
25 Qualitative Determination in Clean Water 洁净水定性分析	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. 此样品旨在测试实验室检测和鉴别地表水/饮用水中未知污染物的能力。该样本为可能参与调查潜在污染饮用水或地表水和提取物检测、调查阶段鉴定的实验室设计。

Ecotoxicology 生物毒理	
Sample	Target analytes(s)
50 Ecotoxicology Tests 生态毒理学试验	<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>Pseudokirchneriella subcapitata</i>) 大型蚤 48 小时半最大效应浓度; 大型蚤 24 小时半最大效应浓度 费氏弧菌 30 分钟半抑制浓度 (ISO 11348-3); 其他发光细菌 30 分钟半抑制浓度测试; 发光细菌 15 分钟半抑制浓度测试; 淡水藻类生长抑制试验 (羊角月牙藻)

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

Please fill in your address details below:

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关于 LGC PT 质控样: LGC 提供先前轮次的能力验证剩余样品作为质控样, 您可以选择这些样品进行纠偏调查, 作为盲样来进行内部人员培训, 考核或进行其他内部质量控制活动。实验员的结果可以直接通过 PORTAL 系统来进行 Z 值评价, 并进行图表导出。

关于 LGC PT 重复样: 重复样是指当前轮次能力验证样品的复制样, LGC 的能力验证至多可以让 13 个人来参与并提交结果。如果您需要多人参加, 希望在进行能力验证时获得更多的样品量时, 以购买重复样是你最佳的选择。待能力验证结束后, 这些剩余的重复样就成为了质控样, 您可以参考能力验证主报告中提供的参数, 使用这些样品当做质控样来进行内部质量控制活动。

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质控样品需求			
基质	分析物	数量	其他要求