

**WESSEX SCIENTIFIC  
LABORATORY ANALYSIS LIST**

<i>Analysis</i>	<i>Analysis description</i>		<i>Turnround</i>	<i>Bottle description</i>
<i>Component</i>		<i>Unit</i>		
			<i>Determinand no.</i>	
<b>Cryptosporidium laboratory</b>				
<b>CRYPTO_COMP_FM</b>	<b>Cryptosporidium, compliance Filta-Max xpress</b>		<b>3 days</b>	<b>Crypt filt</b>
Crypto oocysts found			0806	
Crypto sample pellet volume		ml	0804	
Cryptosporidium		/10L	0803	
Genera crypto filter appearance			0805	
Oocyst like bodies			0808	
Reported date for archive			0807	
<b>CRYPTO_QA_10L</b>	<b>Cryptosporidium, 10L grab sample, reported as /L</b>		<b>5 days</b>	<b>10L bact</b>
Crypto oocysts found			0806	
Crypto sample pellet volume		ml	0804	
Cryptosporidium		/10L	0803	
Oocyst like bodies			0808	
Reported date for archive			0807	
<b>CRYPTO_QA_FM</b>	<b>Cryptosporidium, quality assurance</b>		<b>7 days</b>	<b>Crypt filt</b>
Crypto oocysts found			0806	
Crypto sample pellet volume		ml	0804	
Cryptosporidium		/10L	0803	
Genera crypto filter appearance			0805	
Oocyst like bodies			0808	
Reported date for archive			0807	
<b>OLB</b>	<b>Oocyst like bodies</b>		<b>3 days</b>	
Oocyst like bodies			0808	
<b>ON_SITE_Cryp_QA</b>	<b>On site analysis for Crypto QA samples</b>		<b>1 day</b>	<b>Crypt filt</b>
Crypto Start Date			3224	
Crypto Start Time			3225	
Crypto water meter reading off		L	3220	
Crypto water meter reading on		L	3229	
Crypto, volume of sample taken		L	3221	
<b>ON_SITE_CrypCMP</b>	<b>On site analysis for Crypto compliance samples</b>		<b>1 day</b>	<b>Crypt filt</b>
Crypto Start Date			3224	
Crypto Start Time			3225	
Crypto water meter reading off		L	3220	
Crypto water meter reading on		L	3229	
Crypto, evidence bag number			3223	
Crypto, volume of sample taken		L	3221	
<b>External, sub-contract laboratory</b>				
<b>ACETONE</b>	<b>Acetone</b>		<b>17 days</b>	<b>250ml PET</b>
Acetone		µg/L	8351	
<b>ACRYLAMIDE</b>	<b>Acrylamide</b>		<b>17 days</b>	<b>500ml ambr</b>
Acrylamide		µg/L	9650	
<b>AG_TRADE_TOT</b>	<b>Silver in trade effluents</b>		<b>17 days</b>	<b>Metals pot</b>

Silver		mg/L	4470		
<b>ANIONIC_DETS</b>	<b>Anionic detergents</b>			<b>17 days</b>	<b>250ml PET</b>
Detergents, anionic		mg/L	2300		
<b>AWE_ORGANICS</b>	<b>AWE organics suite</b>			<b>17 days</b>	<b>250ml glas</b>
1,2,3-Trichlorobenzene		ng/L	8210		
1,2,4-Trichlorobenzene		ng/L	8212		
1,3,5-Trichlorobenzene		ng/L	8213		
Alpha BHC		ng/L	6000		
Alpha endosulphan		ng/L	6050		
Beta BHC		ng/L	6001		
Beta endosulphan		ng/L	6051		
Heptachlor epoxide		ng/L	6021		
Hexachlorobenzene		ng/L	9200		
Hexachlorobutadiene		ng/L	6073		
Isodrin		ng/L	6060		
o,p'-DDE		ng/L	6030		
o,p'-DDT		ng/L	6034		
o,p'-TDE		ng/L	6032		
p,p'-DDE		ng/L	6031		
p,p'-DDT		ng/L	6035		
p,p'-TDE		ng/L	6033		
<b>BISPHENOL_A_CIP</b>	<b>Bisphenol A CIP</b>			<b>28 days</b>	
Bisphenol A		ng/L	9778		
<b>BISPHENOL_S_CIP</b>	<b>Bisphenol S CIP</b>			<b>28 days</b>	
Bisphenol S		ng/L	9779		
<b>BZTU_TZT_CIP</b>	<b>BZTU TZT CIP</b>			<b>28 days</b>	
Benzotriazole		ng/L	9792		
Tolytriazole		ng/L	9747		
<b>CATIONIC_DETS</b>	<b>Cationic detergents</b>			<b>17 days</b>	<b>250ml amb</b>
Detergents, cationic		mg/L	2301		
<b>CHEM14_SUITE1A_CIP</b>	<b>CHEM14 Suite 1A CIP</b>			<b>28 days</b>	
1,3 DPMA		ng/L	9755		
1,5 DPMA		ng/L	9756		
4-tert-butylphenol		ng/L	9757		
Chlorinated paraffins (C10-C13)		ng/L	9759		
Chlorinated paraffins (C14-C17)		ng/L	9760		
Decabromodiphenyl ethane		ng/L	9753		
Dechlorane plus		ng/L	9754		
<b>CHEM14_SUITE1B_CIP</b>	<b>CHEM14 Suite 1B CIP3</b>			<b>28 days</b>	
Fipronil		ng/L	9752		
Triclocarban		ng/L	9758		
<b>CHEM14_SUITE2_CIP</b>	<b>CHEM14 Suite 2 CIP</b>			<b>28 days</b>	
Decamethylcyclopentasiloxane		ng/L	9763		
Decamethyltetrasiloxane		ng/L	9764		
Dodecamethylcyclohexasiloxane		ng/L	9765		
Dodecamethylpentasiloxane		ng/L	9766		
Heptamethyl-3-trisiloxane		ng/L	9762		
Heptamethyltrisiloxane		ng/L	9761		
Octamethylcyclotetrasiloxane		ng/L	9767		
Octamethyltrisiloxane		ng/L	9768		

<b>CHEM14_SUITE3_CIP</b>	<b>CHEM14 Suite 3 CIP</b>			<b>28</b>	<b>days</b>	
Climbazole		ng/L	9769			
Imidacloprid		ng/L	9771			
<b>CHEM14_SUITE4_CIP</b>	<b>CHEM14 Suite 3 CIP</b>			<b>28</b>	<b>days</b>	
CMDFPA		ng/L	9772			
GEN-X		ng/L	9774			
Tridecafluorooctanesulfonic acid		ng/L	9773			
<b>CHEM14_SUITE5_CIP</b>	<b>CHEM14 Suite 5 CIP</b>			<b>28</b>	<b>days</b>	
Perfluorobutane sulfonic acid		ng/L	9775			
Perfluoroheptanoic acid		ng/L	9777			
Perfluoropentanoic acid		ng/L	9776			
<b>CHEM14_SUITE6_CIP</b>	<b>CHEM14 Suite 6 CIP</b>			<b>28</b>	<b>days</b>	
Benzotriazol		ng/L	9792			
Ranitidine		ng/L	9793			
<b>CIPR_CIP</b>	<b>CIPR CIP</b>			<b>28</b>	<b>days</b>	
Ciprofloxacin		µg/L	9727			
<b>COD_MCERTS_EXT</b>	<b>Chemical oxygen demand MCERTS</b>			<b>12</b>	<b>days</b>	<b>1L PET</b>
Chemical oxygen demand		mg/L	2010			
<b>CYAN_FREE_WAS_EXT</b>	<b>Waste water free cyanide, external</b>			<b>18</b>	<b>days</b>	<b>60ml round</b>
Free cyanide		mg/L	2550			
<b>CYAN_TOT_POT_EXT</b>	<b>Potable total cyanide - external</b>			<b>17</b>	<b>days</b>	<b>Metals pot</b>
Total cyanide		mg/L	2551			
<b>CYAN_TOT_WAS_EXT</b>	<b>Waste water total cyanide, external</b>			<b>18</b>	<b>days</b>	<b>60ml round</b>
Total cyanide		mg/L	2551			
<b>CYPERMETHRIN_CIP</b>	<b>Cypermethrin CIP</b>			<b>28</b>	<b>days</b>	
Cypermethrin		µg/L	9751			
<b>DEHP</b>	<b>Di-ethylhexyl-phthalate</b>			<b>17</b>	<b>days</b>	<b>250ml glas</b>
Di-ethylhexyl-phthalate		µg/L	9204			
<b>DEHP_CIP_EXT</b>	<b>Di-ethylhexyl-phthalate in raw sewage effluents - external</b>			<b>17</b>	<b>days</b>	
Di-ethylhexyl-phthalate		µg/L	9204			
<b>DEHP_CYP_CIP</b>	<b>Diethylhexyl-phthalate and Cypermethrin</b>			<b>28</b>	<b>days</b>	<b>1L grn gls</b>
Cypermethrin		µg/L	9751			
Diethylhexyl-phthalate		µg/L	9208			
<b>DICLOFENAC_CIP</b>	<b>Diclofenac CIP</b>			<b>28</b>	<b>days</b>	
Diclofenac		µg/L	9728			
<b>DISS_METHANE</b>	<b>Dissolved methane</b>			<b>17</b>	<b>days</b>	<b>VOC tube</b>
Dissolved methane		mg/L	9207			
<b>EPICHLOROHYDRIN</b>	<b>Epichlorohydrin</b>			<b>17</b>	<b>days</b>	<b>40ml vial</b>
Epichlorohydrin		µg/L	9660			
<b>FCOLIPHGE_100ML</b>	<b>F+Coliphage, /100ml</b>			<b>18</b>	<b>days</b>	<b>1L PET</b>

F+Coliphage		/100 ml	0885		
<b>FLUORIDE_TRADE</b>	<b>Fluoride in trade effluent</b>			<b>17 days</b>	<b>1L PET</b>
Fluoride		mg/L	2541		
<b>FOG_FORMAL</b>	<b>Fats, oils &amp; greases</b>			<b>8 days</b>	<b>1Lt Glass</b>
Oil and grease		mg/L	1181		
<b>FOG_PET_SPIRIT</b>	<b>FOG pet spirit extract</b>			<b>16 days</b>	<b>1LClrGlass</b>
FOG, pet spirit extract		mg/L	2311		
<b>GLYP_AMPA_CIP</b>	<b>GLYP AMPA CIP</b>			<b>28 days</b>	
AMPA		µg/L	9783		
Glyphosate		µg/L	9782		
<b>GLYPHOSATE</b>	<b>Glyphosate</b>			<b>17 days</b>	<b>125ml azlo</b>
Glyphosate		ng/L	6101		
<b>HAA_EXT</b>	<b>Haloacetic acids</b>			<b>18 days</b>	
Bromochloroacetic acid		µg/L	8180		
Bromodichloroacetic acid		µg/L	8181		
Dalapon		µg/L	8182		
Dibromoacetic acid		µg/L	8183		
Dibromochloroacetic acid		µg/L	8184		
Dichloroacetic acid		µg/L	8185		
Monobromoacetic acid		µg/L	8186		
Monochloroacetic acid		µg/L	8187		
Tribromoacetic acid		µg/L	8188		
Trichloroacetic acid		µg/L	8189		
<b>HBCDD_CIP</b>	<b>HBCDD CIP</b>			<b>28 days</b>	
Hexabromocyclododecane		µg/L	9209		
<b>HBDD_TBT_CIP</b>	<b>Hexabromocyclododecane and Tributyltin compounds</b>			<b>28 days</b>	<b>1L Grn Gl</b>
Hexabromocyclododecane		µg/L	9209		
Tributyltin Compounds		µg/L	7933		
<b>HEXAVALENT_CR</b>	<b>Hexavalent chromium</b>			<b>17 days</b>	<b>1L PET</b>
Chromium, hexavalent		mg/L	2568		
<b>HG_SLUDGE_EXT</b>	<b>Mercury External</b>			<b>14 days</b>	<b>Metals pot</b>
Total Mercury		mg/kg	4803		
<b>ICES_CIP</b>	<b>ICES CIP</b>			<b>28 days</b>	
ICES 101		µg/L	9787		
ICES 118		µg/L	9788		
ICES 138		µg/L	9789		
ICES 153		µg/L	9790		
ICES 180		µg/L	9791		
ICES 52		µg/L	9786		
ICES 7-28		µg/L	9785		
<b>INORGANIC_CIP</b>	<b>Inorganic CIP</b>			<b>28 days</b>	
Calcium, filtered as Ca		mg/L	9804		
Ionic balance, dissolved			9798		
Orthophosphate as P		µg/L	2518		
Total suspended solids, CIP3		mg/L	9805		

<b>IODIDE_EXT</b>	<b>Iodide</b>			<b>15</b>	<b>days</b>	<b>250ml PET</b>
Iodide		mg/L	2590			
<b>KJELDAHL_EXT</b>	<b>Kjeldahl Nitrogen External</b>			<b>17</b>	<b>days</b>	<b>1L PET</b>
Nitrogen: Kjeldahl as N		mg/L	4078			
Nitrogen: Total as N		mg/L	4070			
Nitrogen: Total Oxidised as N		mg/L	2502			
<b>L2_CIP</b>	<b>L2 CIP</b>			<b>28</b>	<b>days</b>	
Hexamethyldisiloxane		ng/L	9794			
<b>MERCURY_CIP</b>	<b>Mercury total</b>			<b>28</b>	<b>days</b>	
Mercury total		µg/L	4806			
<b>MET_POT_AG_EXT</b>	<b>Potable silver, external</b>			<b>14</b>	<b>days</b>	<b>Metals pot</b>
Silver		mg/L	4470			
<b>METALS_SOL_CIP</b>	<b>Metals soluble CIP</b>			<b>28</b>	<b>days</b>	
Barium, dissolved		µg/L	9802			
Boron, dissolved		µg/L	9803			
Lithium, dissolved		µg/L	9799			
Magnesium, dissolved		mg/L	4121			
Manganese, dissolved		µg/L	9800			
Potassium, dissolved		mg/L	4191			
Sodium, dissolved		mg/L	4111			
Strontium, dissolved		µg/L	9801			
<b>MOULD_EXT</b>	<b>Moulds</b>			<b>21</b>	<b>days</b>	<b>Swab</b>
Mould		code	0046			
<b>MST_EXT</b>	<b>Microbial Source Tracking</b>			<b>21</b>	<b>days</b>	<b>Small bact</b>
Microbial Source Tracking		code	0600			
<b>N_SLUDGE_EXT</b>	<b>Total nitrogen in sludges (external)</b>			<b>28</b>	<b>days</b>	<b>Sludge pot</b>
Total nitrogen		mg/kg	4073			
<b>N_SLUDGE_WET_EXT</b>	<b>Total nitrogen sludge wet (external)</b>			<b>28</b>	<b>days</b>	<b>Sludge pot</b>
Total nitrogen		mg/kg	4073			
<b>NON_IONIC_DETS</b>	<b>Non-ionic detergents</b>			<b>17</b>	<b>days</b>	<b>500ml PET</b>
Detergents, nonionic		mg/L	2302			
<b>OCPS_POT_EXT</b>	<b>Organochlorine pesticides in potable waters - external</b>			<b>17</b>	<b>days</b>	<b>500ml glas</b>
Aldrin		ng/L	6010			
Alpha BHC		ng/L	6000			
Chlorothalonil		ng/L	6072			
Dichlobenil		ng/L	6811			
Dieldrin		ng/L	6011			
Gamma BHC (lindane)		ng/L	6002			
Heptachlor		ng/L	6020			
Heptachlor epoxide		ng/L	6021			
Hexachlorobutadiene		ng/L	6073			
p,p'-DDT		ng/L	6035			
<b>OCPS_WASTE_EXT</b>	<b>Organochlorine pesticides in waste waters - external</b>			<b>17</b>	<b>days</b>	<b>250ml glas</b>
Aldrin		ng/L	6010			
Alpha BHC		ng/L	6000			
Beta BHC		ng/L	6001			

Dieldrin	ng/L	6011
Endrin	ng/L	6040
Gamma BHC (lindane)	ng/L	6002
Hexachlorocyclohexane	ng/L	6006

**OPPS\_RAW Organophosphorus Pesticides in raw waters 17 days 250ml glas**

Chlorfenvinphos	ng/L	6215
Chlorpyrifos	ng/L	6231

**OPPS\_WASTE Organophosphorus Pesticides 17 days 250ml glas**

Azinphos-ethyl	ng/L	6223
Azinphos-methyl	ng/L	6221
Carbophenothion	ng/L	6212
Chlorfenvinphos	ng/L	6215
Diazinon	ng/L	6203
Dichlorvos	ng/L	6213
Dimethoate	ng/L	6216
Fenitrothion	ng/L	6220
Malathion	ng/L	6200
Mevinphos	ng/L	6240
Parathion-ethyl	ng/L	6201
Parathion-methyl	ng/L	6204
Phorate	ng/L	6202
Pirimiphos-methyl	ng/L	6222
Propetamphos	ng/L	6214
Triazophos	ng/L	6224

**ORGANOTINS Organotins 17 days 1Lt Glass**

Tributyltin cmpds	ng/L	6931
Triphenyltin cmpds	ng/L	6932

**ORGANOTINS\_RAW Organotins in raw waters 17 days 500ml glas**

Tributyltin cmpds	ng/L	6931
Triphenyltin cation	ng/L	6933

**PARTICLE\_SIZE Particle size 21 days 1L PET**

Particle size	code	2909
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**PCBS\_WASTE PCBs in waters 17 days 250ml glas**

PCB 101	ng/L	8003
PCB 118	ng/L	8004
PCB 138	ng/L	8005
PCB 153	ng/L	8006
PCB 180	ng/L	8007
PCB 28	ng/L	8001
PCB 52	ng/L	8002
PCB total congeners	ng/L	8009

**PCP\_RAW Pentachlorophenol in raw waters 17 days 500ml amb**

Pentachlorophenol	µg/L	6900
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**PCP\_TRADE Pentachlorophenol in trade effluents 17 days 1L PET**

Pentachlorophenol	ng/L	6900
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**PFAS\_47\_EXT DWI PFAS 18 days**

3:3 FTCA	µg/L	8500
4:2 FTSA	µg/L	8501
5:3 FTCA	µg/L	8502
6:2 Cl-PFESA	µg/L	8503

6:2 FTAB	µg/L	8504
6:2 FTSA	µg/L	8505
7:3 FTCA	µg/L	8506
8:2 Cl-PFESA	µg/L	8507
8:2 FTSA	µg/L	8508
DONA	µg/L	8509
EtFOSA	µg/L	8510
EtFOSE	µg/L	8511
FBSA	µg/L	8512
FHxSA	µg/L	8513
FOSA	µg/L	8514
HFPO-DA (Gen X)	µg/L	8515
HFPO-TA	µg/L	8516
MeFOSA	µg/L	8517
MeFOSE	µg/L	8518
NEtFOSAA	µg/L	8519
NFDHA	µg/L	8520
NMeFOSAA	µg/L	8521
PFBA	µg/L	8522
PFBS	µg/L	8523
PFDA	µg/L	8524
PFDoA	µg/L	8525
PFDoS	µg/L	8526
PFDS	µg/L	8527
PFecHS	µg/L	8528
PFEESA	µg/L	8529
PFHpA	µg/L	8530
PFHpS	µg/L	8531
PFHxA	µg/L	8532
PFHxDA	µg/L	8533
PFHxS	µg/L	8534
PFMOBA	µg/L	8535
PFMOPrA	µg/L	8536
PFNA	µg/L	8537
PFNS	µg/L	8538
PFOA	µg/L	8539
PFODA	µg/L	8540
PFOS	µg/L	8541
PFPeA	µg/L	8542
PFPeS	µg/L	8543
PFTeA	µg/L	8544
PFTTrDA	µg/L	8545
PFUnA	µg/L	8546
PFUnDS	µg/L	8547

**PFAS\_EXT**

**PFAS**

**18 days**

**STL 105**

6:2 PTS	ng/L	8017
Branched PFOS	ng/L	8018
Linear PFOS	ng/L	8019
PFBA	ng/L	8020
PFBS	ng/L	8021
PFDA	ng/L	8022
PFDoA	ng/L	8023
PFHpA	ng/L	8024
PFHpS	ng/L	8025
PFHxA	ng/L	8026
PFHxS	ng/L	8027
PFNA	ng/L	8028
PFOA	ng/L	8029
PFOSA	ng/L	8030

PFPA	ng/L	8031		
PFUnA	ng/L	8032		
Total PFOS	ng/L	8033		
<b>PFHXA_PFHXS_CIP</b>	<b>PFHXA PFHXS CIP</b>		<b>28 days</b>	
Perfluorohexanesulfonic acid	ng/L	9781		
Perfluorohexanoic acid	ng/L	9780		
<b>PFOS_CIP</b>	<b>Perfluorooctane sulfonic acid and perfluorooctanoic acid</b>		<b>28 days</b>	
Perfluorooctane sulfonic acid	µg/L	9749		
Perfluorooctanoic acid	µg/L	9750		
<b>PHENOL_RAW</b>	<b>Alkylphenols in raw waters</b>		<b>17 days</b>	<b>2.5L amber</b>
4-Paranonylphenol	µg/L	9712		
Nonylphenols	µg/L	9701		
Octylphenol	µg/L	9705		
Para tert octylphenol	µg/L	9713		
<b>PHENOLS</b>	<b>Aqueous phenols</b>		<b>17 days</b>	<b>2.5L amber</b>
Monohydric phenols	mg/L	2320		
<b>POL_PEST2_WPC43</b>	<b>Polar pesticides 2 WPC43</b>		<b>17 days</b>	<b>500ml ambr</b>
Boscalid	ng/L	6091		
Propyzamide	ng/L	6098		
Quinmerac	ng/L	6099		
<b>PRIORITY_SUBST_EXT</b>	<b>Priority substances in raw sewage effluents - external</b>		<b>21 days</b>	
Benzo(a)pyrene	µg/L	8072		
Fluoranthene	µg/L	8073		
PBDE-100	µg/L	9719		
PBDE-153	µg/L	9720		
PBDE-154	µg/L	9721		
PBDE-28	µg/L	9722		
PBDE-47	µg/L	9723		
PBDE-99	µg/L	9724		
Triclosan	µg/L	9725		
<b>QUATS</b>	<b>Quats Chlormequat Cation</b>		<b>17 days</b>	<b>125ml azlo</b>
Chlormequat	ng/L	6102		
<b>RADIOACTIVITY</b>	<b>Radioactivity</b>		<b>18 days</b>	<b>1L plastic</b>
Alpha activity, total	Bq/L	4980		
Beta activity, total	Bq/L	4981		
<b>RADON</b>	<b>Radon</b>		<b>18 days</b>	<b>500ml PET</b>
Radon total as Rn-222	Bq/L	4869		
<b>REACTIVE_AL_CIP</b>	<b>Aluminium, reactive</b>		<b>28 days</b>	<b>100ml HDPE</b>
Aluminium reactive	µg/L	4136		
<b>RED_LIST</b>	<b>Red list organics</b>		<b>17 days</b>	<b>1L glass</b>
Red List GCMS	code	9997		
<b>SOIL_15CM_EXT</b>	<b>Soil 15cm external</b>		<b>28 days</b>	<b>Bag</b>
Available magnesium	mg/L	4125		
Available phosphorus	mg/L	4155		
Available potassium	mg/L	4195		
pH		2040		



Soil organic content	%	2390		
<b>SOIL_15CM_FULL_EXT</b>	<b>Soil 15cm Full External</b>		<b>28 days</b>	<b>Bag</b>
Arsenic	mg/kg	4333		
Available magnesium	mg/L	4125		
Available phosphorus	mg/L	4155		
Available potassium	mg/L	4195		
Cadmium	mg/kg	4483		
Chromium	mg/kg	4243		
Copper	mg/kg	4293		
Fluoride	mg/kg	2549		
Lead	mg/kg	4823		
Mercury	mg/kg	4803		
Molybdenum	mg/kg	4423		
Nickel	mg/kg	4283		
Selenium	mg/kg	4343		
Soil organic content	%	1388		
Soil pH		2040		
Zinc	mg/kg	4303		
<b>SOL_MERCURY_CIP</b>	<b>Mercury dissolved</b>		<b>28 days</b>	
Mercury dissolved	µg/L	4805		
<b>SOL_REACTIVE_P_LL</b>	<b>Soluble reactive P, low level</b>		<b>28 days</b>	
Soluble reactive P, LL	µg/L	9806		
<b>STEROIDS_CIP_EXT</b>	<b>Steroids in raw and treated sewage effluents (external)</b>		<b>28 days</b>	
17 alpha ethinyloestradiol	µg/L	9714		
17 beta oestradiol	µg/L	9715		
Oestrone	µg/L	9716		
<b>SULPHIDE</b>	<b>Sulphide</b>		<b>17 days</b>	<b>Sulphide</b>
Sulphide	mg/L	2520		
<b>SULPHIDE_CIP</b>	<b>Sulphide</b>		<b>28 days</b>	
Sulphide	mg/L	2523		
<b>SVOC</b>	<b>SVOCs in raw waters</b>		<b>17 days</b>	<b>250ml glas</b>
Anthracene	µg/L	9205		
Napthalene	µg/L	9206		
<b>TBT_CIP</b>	<b>TBT CIP</b>		<b>28 days</b>	
Terbutryn	µg/L	9807		
Tributyltin	µg/L	9784		
Trifluralin	µg/L	9808		
<b>TOTAL_IND_DOSE</b>	<b>Total indicative dose</b>		<b>10 days</b>	<b>5L plastic</b>
Radium	Bq/L	4880		
Total indicative dose	mSv/year	4985		
Uranium	µg/L	4914		
<b>TOTAL_N_MCERTS_EXT</b>	<b>Total nitrogen</b>		<b>12 days</b>	<b>1L PET</b>
Total nitrogen	mg/L	4070		
<b>TPH</b>	<b>Total petroleum hydrocarbons, speciated</b>		<b>17 days</b>	<b>250ml glas</b>
C10-C12 ALI	µg/L	1091		
C10-C12 AROM	µg/L	1098		
C12-C16 ALI	µg/L	1092		

C12-C16 AROM	µg/L	1099
C16-C21 ALI	µg/L	1093
C16-C21 AROM	µg/L	1100
C21-C40 ALI	µg/L	1094
C21-C40 AROM	µg/L	1101
C6-C40 ALI	µg/L	1087
C6-C40 AROM	µg/L	1088
C6-C40 Total	mg/L	1143
C6-C7 AROM	µg/L	1095
C6-C8 ALI	µg/L	1089
C7-C8 AROM	µg/L	1096
C8-C10 ALI	µg/L	1090
C8-C10 AROM	µg/L	1097

<b>TPH_C6_C40</b>	<b>Total Petroleum Hydrocarbons C6-C40</b>		<b>16</b>	<b>days</b>	<b>2 bottles</b>
Hydrocarbons C6-C40	mg/L	1143			
<b>TRITIUM_ACTIVTY</b>	<b>Tritium activity</b>		<b>28</b>	<b>days</b>	<b>500ml PET</b>
Tritium activity	Bq/L	4018			
<b>TRIXYLENYL_P</b>	<b>Trixylenyl phosphate</b>		<b>28</b>	<b>days</b>	<b>Vial</b>
Trixylenyl phosphate	µg/L	9748			
<b>VINYL_CHLORIDE</b>	<b>Vinyl chloride</b>		<b>17</b>	<b>days</b>	<b>VOC tube</b>
Vinyl chloride	µg/L	9250			

#### General chemistry laboratory

<b>60_UVT</b>	<b>60% UVT Dilution</b>		<b>14</b>	<b>days</b>	<b>1L PET</b>
60% UVT Dilution		2085			
<b>ALK_ISP</b>	<b>Alkalinity on Aquakem</b>		<b>2</b>	<b>days</b>	<b>1L PET</b>
Alkalinity (methyl orange)	mg CaCO3/L	2044			
<b>ALKALTY_SLUDGE</b>	<b>Alkalinity sludge</b>		<b>7</b>	<b>days</b>	<b>1L PET</b>
Alkalinity (methyl orange)	mg CaCO3/L	2044			
<b>ALKALTY_TITRATN</b>	<b>Alkalinity manual</b>		<b>4</b>	<b>days</b>	<b>1L PET</b>
Alkalinity (methyl orange)	mg CaCO3/L	2044			
<b>AMMONIA</b>	<b>Ammonia on Aquakem</b>		<b>2</b>	<b>days</b>	<b>1L PET</b>
Ammonia load	kg/d	3716			
Ammoniacal nitrogen	mg/L N	2500			
<b>AMMONIA_MCERTS</b>	<b>Ammonia of final effluents requiring MCERTS accreditation on Aquakem</b>		<b>2</b>	<b>days</b>	<b>1L PET</b>
Ammoniacal nitrogen	mg/L N	2500			
<b>BOD_20</b>	<b>Biochemical oxygen demand - 20 day</b>		<b>28</b>	<b>days</b>	<b>1L PET</b>
Biochemical oxygen demand atu 20 day	mg/L O2	2003			
<b>BOD_20_FILTERED</b>	<b>Biochemical oxygen demand - 20 day filtered</b>		<b>28</b>	<b>days</b>	<b>1L PET</b>
Biochemical oxygen demand 20 day soluble	mg/L O2	2005			
<b>BOD_ATU</b>	<b>Biochemical oxygen demand atu</b>		<b>8</b>	<b>days</b>	<b>1L PET</b>
Biochemical oxygen demand, atu	mg/L O2	2000			
BOD load	kg/d	3708			
<b>BOD_FILTERED</b>	<b>Biochemical oxygen demand ATU - filtered</b>		<b>8</b>	<b>days</b>	<b>1L PET</b>

Soluble biochemical oxygen demand atu	mg/L O2	2002		
<b>BOD_MCERTS</b>	<b>Biochemical oxygen demand of final effluents requiring MCERTS accreditation</b>	<b>8</b>	<b>days</b>	<b>1L PET</b>
Biochemical oxygen demand, atu	mg/L O2	2000		
<b>BOD_MTX_BLK</b>	<b>Biochemical oxygen demand of final effluents requiring MCERTS accreditation -</b>	<b>8</b>	<b>days</b>	<b>1L PET</b>
Biochemical oxygen demand, atu	mg/L O2	2000		
<b>BOD_SETTLED</b>	<b>Biochemical oxygen demand ATU - settled</b>	<b>8</b>	<b>days</b>	<b>1L PET</b>
Biochemical oxygen demand atu 1h settled	mg/L O2	2004		
<b>CHLORIDE</b>	<b>Chloride on Aquakem</b>	<b>2</b>	<b>days</b>	<b>1L PET</b>
Chloride	mg/L	2530		
<b>COD</b>	<b>Chemical oxygen demand - shaken</b>	<b>2</b>	<b>days</b>	<b>1L PET</b>
Chemical oxygen demand	mg/L O2	2010		
COD load	kg/d	3707		
<b>COD_FILTERED</b>	<b>Chemical oxygen demand - filtered</b>	<b>4</b>	<b>days</b>	<b>1L PET</b>
Chemical oxygen demand, filtered	mg/L O2	2012		
<b>COD_FLOC</b>	<b>Chemical oxygen demand - flocculated</b>	<b>4</b>	<b>days</b>	<b>1L PET</b>
COD, Flocculated	mg/L O2	2013		
<b>COD_SETTLED</b>	<b>Chemical oxygen demand - settled</b>	<b>4</b>	<b>days</b>	<b>1L PET</b>
Set COD load	kg/d	3706		
Settled C.O.D. (at pH7)	mg/L O2	2011		
<b>COND_WASTE</b>	<b>Waste Conductivity</b>	<b>7</b>	<b>days</b>	<b>1L PET</b>
Conductivity	µS/cm at 25°C	2034		
<b>CYAN_TOT_POT</b>	<b>Potable total cyanide</b>	<b>7</b>	<b>days</b>	<b>Metals pot</b>
Total cyanide	mg/L	2551		
<b>DOC</b>	<b>Dissolved Organic Carbon</b>	<b>22</b>	<b>days</b>	<b>1L PET</b>
Dissolved organic carbon	mg/L	4069		
<b>HG_WASTE</b>	<b>Waste water mercury</b>	<b>14</b>	<b>days</b>	<b>Metals pot</b>
Mercury	mg/L	4800		
<b>INVESTIGATION</b>	<b>Miscellaneous Objects</b>	<b>28</b>	<b>days</b>	<b>1L PET</b>
Investigation		5002		
<b>MET_ANNUAL_SOL</b>	<b>Potable annual metals</b>	<b>28</b>	<b>days</b>	<b>Metals pot</b>
Antimony	mg/L	4511		
Arsenic	mg/L	4331		
Barium	mg/L	4561		
Boron	mg/L	4051		
Chromium	mg/L	4241		
<b>MET_CLEAN_CIP_SOL</b>	<b>The analysis of aluminium, iron and phosphorus to CIP2 standard in rivers and fi</b>	<b>14</b>	<b>days</b>	<b>Metals pot</b>
Soluble aluminium	µg/L	4135		
Soluble iron	µg/L	4268		
Soluble phosphorus	mg/L	4151		
<b>MET_CLEAN_CIP_TOT</b>	<b>The analysis of aluminium, calcium, iron and phosphorus to CIP2 standard in riv</b>	<b>14</b>	<b>days</b>	<b>Metals pot</b>
Aluminium	µg/L	4134		

Calcium	mg/L	4200
Iron	µg/L	4269
Phosphorus	mg/L	4150

<b>MET_DIRTY_2</b>	<b>Waste water metals. B, Sb, Sr, Th, Ti, U &amp; V</b>		<b>14</b>	<b>days</b>	<b>Metals pot</b>
Antimony	mg/L	4510			
Boron	mg/L	4050			
Strontium	mg/L	4380			
Thorium	mg/L	4890			
Titanium	mg/L	4220			
Uranium	mg/L	4910			
Vanadium	mg/L	4230			

<b>MET_DIRTY_4</b>	<b>Waste water metals: Na, Mg, Al, K, Ca, Mn &amp; Fe</b>		<b>14</b>	<b>days</b>	<b>Metals pot</b>
Aluminium	mg/L	4130			
Calcium	mg/L	4200			
Calcium hardness	mg CaCO3/L	2152			
Iron	mg/L	4260			
Magnesium	mg/L	4120			
Magnesium hardness	mg CaCO3/L	2151			
Manganese	mg/L	4250			
Potassium	mg/L	4190			
Sodium	mg/L	4110			
Total hardness	mg CaCO3/L	2150			

<b>MET_MCERTS_1</b>	<b>MCERTS accredited waste metals (Al, Fe, Mn &amp; P)</b>		<b>14</b>	<b>days</b>	<b>Metals pot</b>
Aluminium	mg/L	4130			
Iron	mg/L	4260			
Manganese	mg/L	4250			
Phosphorus	mg/L	4150			

<b>MET_MCERTS_1SOL</b>	<b>MCERTS accredited waste soluble metals (Al, Fe, Mn &amp; P)</b>		<b>14</b>	<b>days</b>	<b>Metals pot</b>
Soluble aluminium	mg/L	4131			
Soluble iron	mg/L	4261			
Soluble manganese	mg/L	4251			
Soluble phosphorus	mg/L	4151			

<b>MET_MCERTS_2</b>	<b>Analysis of As, Cd, Cr, Cu, Ni, Pb &amp; Zn in sewerage final effluents by ICP-MS</b>		<b>14</b>	<b>days</b>	<b>Metals pot</b>
Arsenic	mg/L	4330			
Cadmium	mg/L	4480			
Chromium	mg/L	4240			
Copper	mg/L	4290			
Lead	mg/L	4820			
Nickel	mg/L	4280			
Zinc	mg/L	4300			

<b>MET_POT_1DRAW</b>	<b>Potable metals, first draw</b>		<b>1</b>	<b>day</b>	<b>1L met bot</b>
Copper	mg/L	4295			
Iron	mg/L	4265			
Manganese	mg/L	4255			
Zinc	mg/L	4305			

<b>MET_POT_2DRAW</b>	<b>Potable metals, second draw</b>		<b>2</b>	<b>days</b>	<b>1L met bot</b>
Copper	mg/L	4296			
Iron	mg/L	4266			
Manganese	mg/L	4256			
Zinc	mg/L	4306			

<b>MET_POT_ANNUAL</b>	<b>Potable annual metals</b>		<b>14</b>	<b>days</b>	<b>Metals pot</b>
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Antimony	mg/L	4510			
Arsenic	mg/L	4330			
Barium	mg/L	4560			
Boron	mg/L	4050			
Chromium	mg/L	4240			
<b>MET_POT_HGSE</b>	<b>Potable mercury and selenium</b>		<b>14</b>	<b>days</b>	<b>125ml pot</b>
Mercury	mg/L	4800			
Selenium	mg/L	4340			
<b>MET_POT_HGSE_S</b>	<b>Potable mercury and selenium, soluble</b>		<b>14</b>	<b>days</b>	<b>125ml pot</b>
Mercury	mg/L	4801			
Selenium	mg/L	4341			
<b>MET_POT_LA</b>	<b>Lanthanum in potable waters</b>		<b>14</b>	<b>days</b>	<b>Metals pot</b>
Lanthanum	mg/L	4570			
<b>MET_POT_LITHIUM</b>	<b>Potable lithium</b>		<b>28</b>	<b>days</b>	<b>Metals pot</b>
Lithium	mg/L	4030			
<b>MET_POT_MAJOR</b>	<b>Potable metals Na, K, Ca, Mg</b>		<b>7</b>	<b>days</b>	<b>Metals pot</b>
Calcium	mg/L	4200			
Calcium hardness	mg CaCO3/L	2152			
Magnesium	mg/L	4120			
Magnesium hardness	mg CaCO3/L	2151			
Non-carbonate hardness	mg CaCO3/L	2153			
Potassium	mg/L	4190			
Sodium	mg/L	4110			
Total hardness	mg CaCO3/L	2150			
<b>MET_POT_PQ_AG</b>	<b>Potable silver</b>		<b>14</b>	<b>days</b>	<b>Metals pot</b>
Silver	mg/L	4470			
<b>MET_POT_SOL</b>	<b>Potable metals, soluble</b>		<b>2</b>	<b>days</b>	<b>Metals pot</b>
Aluminium	mg/L	4131			
Copper	mg/L	4291			
Iron	mg/L	4261			
Manganese	mg/L	4251			
Zinc	mg/L	4301			
<b>MET_POT_STAG</b>	<b>Potable metals, stagnation test</b>		<b>2</b>	<b>days</b>	<b>1L met bot</b>
Copper	mg/L	4297			
Iron	mg/L	4267			
Manganese	mg/L	4257			
Stagnation time	min	3940			
Zinc	mg/L	4317			
<b>MET_POT_TOTAL</b>	<b>Potable metals, total</b>		<b>2</b>	<b>days</b>	<b>Metals pot</b>
Aluminium	mg/L	4130			
Copper	mg/L	4290			
Iron	mg/L	4260			
Manganese	mg/L	4250			
Zinc	mg/L	4300			
<b>MET_QUALMET_SCAN</b>	<b>Qualitative trace metal screening of waters by ICP/MS</b>		<b>14</b>	<b>days</b>	<b>Metals pot</b>
ICP scan	code	4999			
<b>MET_TRADE_SOL</b>	<b>Trade effluent soluble metals</b>		<b>7</b>	<b>days</b>	<b>Metals pot</b>

Soluble aluminium	mg/L	4131
Soluble arsenic	mg/L	4331
Soluble beryllium	mg/L	4041
Soluble cadmium	mg/L	4481
Soluble chromium	mg/L	4241
Soluble cobalt	mg/L	4271
Soluble copper	mg/L	4291
Soluble iron	mg/L	4261
Soluble lead	mg/L	4821
Soluble manganese	mg/L	4251
Soluble molybdenum	mg/L	4421
Soluble nickel	mg/L	4281
Soluble zinc	mg/L	4301

**MET\_TRADE\_TOTAL Trade effluent metals 7 days Metals pot**

Aluminium	mg/L	4130
Arsenic	mg/L	4330
Beryllium	mg/L	4040
Cadmium	mg/L	4480
Cadmium, low level	µg/L	5480
Chromium	mg/L	4240
Cobalt	mg/L	4270
Copper	mg/L	4290
Iron	mg/L	4260
Lead	mg/L	4820
Manganese	mg/L	4250
Molybdenum	mg/L	4420
Nickel	mg/L	4280
Total chromium load	kg/d	3711
Total copper load	kg/d	3713
Total lead load	kg/d	3715
Total nickel load	kg/d	3712
Total zinc load	kg/d	3714
Zinc	mg/L	4300

**MET\_UWWTD\_CLN P, Al, Mn, Fe in final effluents (UWWTD) 7 days Metals pot**

Aluminium	mg/L	4130
Iron	mg/L	4260
Manganese	mg/L	4250
Phosphorus	mg/L	4150

**MET\_UWWTD\_CLN\_SOLUWWTD soluble metals (Al, Fe, Mn & P) for waste water final effluents 7 days Metals pot**

Soluble aluminium	mg/L	4131
Soluble iron	mg/L	4261
Soluble manganese	mg/L	4251
Soluble phosphorus	mg/L	4151

**MET\_UWWTD\_WST P, Al, Mn, Fe in crude effluents (UWWTD) 7 days Metals pot**

Aluminium	mg/L	4130
Iron	mg/L	4260
Manganese	mg/L	4250
Phosphorus	mg/L	4150

**MET\_UWWTD\_WST\_SOLUWWTD soluble metals (Al, Fe, Mn & P) for waste water crude effluents 7 days Metals pot**

Soluble aluminium	mg/L	4131
Soluble iron	mg/L	4261
Soluble manganese	mg/L	4251
Soluble phosphorus	mg/L	4151

<b>MET_WASTE_CIP_SOL</b>	<b>The analysis of soluble iron and phosphorus to CIP2 standard in crude sewage</b>	<b>14</b>	<b>days</b>	<b>Metals pot</b>
Soluble iron	µg/L	4268		
Soluble phosphorus	mg/L	4151		
<b>MET_WASTE_CIP_TOT</b>	<b>The analysis of calcium, iron and phosphorus to CIP2 standard in crude sewage</b>	<b>14</b>	<b>days</b>	<b>Metals pot</b>
Calcium	mg/L	4200		
Iron	µg/L	4269		
Phosphorus	mg/L	4150		
<b>MET_X_CIP_SOL</b>	<b>Determination of CIP2 chromium, nickel, copper, zinc, cadmium &amp; lead in treated</b>	<b>14</b>	<b>days</b>	<b>Metals pot</b>
Soluble cadmium	µg/L	5481		
Soluble chromium	µg/L	5241		
Soluble copper	µg/L	5291		
Soluble lead	µg/L	5821		
Soluble nickel	µg/L	5281		
Soluble zinc	µg/L	5301		
<b>MET_X_CIP_TOT</b>	<b>Determination of CIP2 chromium, nickel, copper, zinc, cadmium &amp; lead in treated</b>	<b>14</b>	<b>days</b>	<b>Metals pot</b>
Cadmium	µg/L	5480		
Chromium	µg/L	5240		
Copper	µg/L	5290		
Lead	µg/L	5820		
Nickel	µg/L	5280		
Zinc	µg/L	5300		
<b>MISC_OBJECTS</b>	<b>Miscellaneous objects</b>	<b>7</b>	<b>days</b>	<b>Misc</b>
Miscellaneous objects	code	5001		
<b>MLSS</b>	<b>Mixed Liquor Suspended Solids</b>	<b>2</b>	<b>days</b>	<b>MLSS pot</b>
Suspended solids	mg/L	2020		
<b>N_TOTAL</b>	<b>Total nitrogen, water samples</b>	<b>28</b>	<b>days</b>	<b>1L PET</b>
Kjeldahl nitrogen	mg/L	4078		
Total nitrogen	mg/L	4070		
<b>NITRITE</b>	<b>Nitrite on Aquakem</b>	<b>2</b>	<b>days</b>	<b>1L PET</b>
Nitrite	mg/L N	2503		
<b>ON_SITE_CIP</b>	<b>On site analysis for CIP3</b>	<b>1</b>	<b>day</b>	
Conductivity ATS	µS/cm at 25°C	2039		
Dissolved oxygen	mg/L	3610		
Oxygen saturation	% satn	3611		
Temperature	°C	3600		
Weather, today	code	3143		
<b>ON_SITE_DCWW</b>	<b>On site data DCWW</b>	<b>3</b>	<b>days</b>	
Fluvial flooding	m3/day	3620		
<b>ON_SITE_MAN_UNCERT</b>	<b>On site analysis for managing uncertainty schedule</b>	<b>1</b>	<b>day</b>	
Chlorophyll ATS	µg/L	2902		
Conductivity ATS	µS/cm at 25°C	2039		
Dissolved oxygen	mg/L	3610		
pH ATS		3040		
Temperature	°C	3600		
<b>ON_SITE_MLSS</b>	<b>On site analysis for activated sludge (mixed liquor) samples</b>	<b>1</b>	<b>day</b>	
Depth in Tank	m	3050		
Dissolved oxygen	mg/L	3610		

MLSS ATS	mg/L	2018
MLSS Monitor ATS	mg/L	2015
MLSS@TWL	mg/L	2016
Oxygen saturation	% satn	3611
pH ATS		3040
Settlement volume, 30m	%	3800
Sludge Depth	m	3805
Temperature	°C	3600

**ON\_SITE\_OSM**      **On site analysis for Operator Self Monitoring samples**      **1 day**

Ammonia (ATS)	mg/L N	3501
Clarity		3130
Dissolved oxygen	mg/L	3610
Flow, estimated	m3/day	3702
pH ATS		3040
Temperature	°C	3600
Weather, today	code	3143

**ON\_SITE\_TKR\_WST**      **On site analysis for tanker waste samples**      **1 day**

Appearance, tanker waste	code	3120
Odour, tanker waste	code	3121
pH		3040

**ON\_SITE\_TRADE**      **On site analysis for trade samples**      **7 days**

Ammonia (ATS)	mg/L N	3501
Ammoniacal nitrogen load ATS	kg/d	3041
COD ATS	mg/L	2014
Conductivity ATS	µS/cm at 25°C	2039
Flow (estimated)	m3/day	3702
Flow instantaneous	L/sec	3704
Flow total daily	m3/day	3700
Free chlorine	mg/L	3200
pH ATS		3040
TE Meter reading	m3	3705
Temperature	°C	3600
Total chlorine	mg/L	3201

**ON\_SITE\_WASTE**      **On site analysis for waste water**      **1 day**

Ammonia (ATS)	mg/L N	3501
Centrate ATS	ml	2037
Clarity		3130
COD ATS	mg/L	2014
Conductivity ATS	µS/cm at 25°C	2039
Depth in tank	m	3050
Dissolved oxygen	mg/L	3610
Encrustation	mwg	3052
Filtrate ATS	ml	2038
Flow (estimated)	m3/day	3702
Flow instantaneous	L/sec	3704
Free chlorine	mg/L	3200
Hrs since Backwash	hr	3053
Iron ATS	mg/L	3260
Nitrate ATS	mg/L	3025
Orthophosphate ATS	mg/L P	2513
Oxygen saturation	% satn	3611
pH ATS		3040
Salinity	g/L	3035
Temperature	°C	3600
Total chlorine	mg/L	3201



Turbidity ATS	NTU	3024			
UV transmittance	%	3082			
UV transmittance filtered	%	3083			
<b>P_SOLUBLE_POT</b>	<b>Soluble phosphorus in potable water by ICP-OES</b>		<b>7</b>	<b>days</b>	<b>Metals pot</b>
Soluble phosphorus	mg/L	4151			
<b>P_TOTAL_POT</b>	<b>Total phosphorus in potable water by ICP-OES</b>		<b>7</b>	<b>days</b>	<b>Metals pot</b>
Total phosphorus	mg/L	4150			
<b>P_TOTAL_TRADE</b>	<b>Phosphorus in Trade Effluents</b>		<b>14</b>	<b>days</b>	<b>Metals pot</b>
Total phosphorus	mg/L	4150			
<b>PB_POT_1DRAW</b>	<b>Potable 1st draw lead</b>		<b>4</b>	<b>days</b>	<b>1L met bot</b>
1st draw lead	mg/L	4825			
<b>PB_POT_2DRAW</b>	<b>Potable 2nd draw cadmium, lead &amp; nickel</b>		<b>4</b>	<b>days</b>	<b>1L met bot</b>
2nd draw cadmium	mg/L	4485			
2nd draw lead	mg/L	4826			
2nd draw nickel	mg/L	4286			
<b>PB_POT_2DRW_SOL</b>	<b>Potable 2nd draw soluble lead</b>		<b>4</b>	<b>days</b>	<b>Metals pot</b>
2nd draw soluble lead	mg/L	4829			
<b>PB_POT_STAG</b>	<b>Potable stagnation lead</b>		<b>4</b>	<b>days</b>	<b>1L met bot</b>
Lead stagnation test	mg/L	4827			
<b>PBCD_POT_SOL</b>	<b>Potable soluble cadmium, lead &amp; nickel</b>		<b>4</b>	<b>days</b>	<b>Metals pot</b>
Soluble cadmium	mg/L	4481			
Soluble lead	mg/L	4821			
Soluble nickel	mg/L	4281			
<b>PBCD_POT_TOTAL</b>	<b>Potable total cadmium, lead &amp; nickel</b>		<b>4</b>	<b>days</b>	<b>Metals pot</b>
Cadmium	mg/L	4480			
Lead	mg/L	4820			
Nickel	mg/L	4280			
<b>PH_MCERTS</b>	<b>pH of final effluents requiring MCERTS accreditation</b>		<b>2</b>	<b>days</b>	<b>1L PET</b>
pH		2040			
<b>PH_WASTE</b>	<b>pH in waste water</b>		<b>2</b>	<b>days</b>	<b>1L PET</b>
pH		2040			
<b>PHOSPHATE</b>	<b>Orthophosphate on Aquakem</b>		<b>2</b>	<b>days</b>	<b>1L PET</b>
Orthophosphate	mg/L P	2510			
<b>SELENIUM</b>	<b>Selenium in water</b>		<b>28</b>	<b>days</b>	<b>Metals pot</b>
Selenium	mg/L	4340			
<b>SELENIUM_WASTE</b>	<b>Selenium in waste water</b>		<b>28</b>	<b>days</b>	<b>Metals pot</b>
Selenium	mg/L	4340			
<b>SILICA</b>	<b>Silica on Aquakem</b>		<b>2</b>	<b>days</b>	<b>1L PET</b>
Silica	mg/L Si	2570			
<b>SOLUBLE_REACTIVE_P</b>	<b>Soluble reactive phosphorus on Aquakem</b>		<b>2</b>	<b>days</b>	<b>TOC tube</b>
Soluble reactive phosphorus	mg/L	4152			

<b>SS</b>	<b>Suspended solids</b>		<b>2</b>	<b>days</b>	<b>1L PET</b>
SS load		kg/d	3709		
Suspended solids		mg/L	2020		
<b>SS_ASH</b>	<b>Ashed suspended solids</b>		<b>10</b>	<b>days</b>	<b>1L PET</b>
Suspended solids		mg/L	2020		
Suspended solids ashed		mg/L	2021		
Suspended solids loss on ignition		mg/L	2025		
<b>SS_CIP</b>	<b>Suspended solids, CIP</b>		<b>2</b>	<b>days</b>	<b>1L PET</b>
Suspended solids		mg/L	2020		
<b>SS_MCERTS</b>	<b>Suspended solids of final effluents requiring MCERTS accreditation</b>		<b>2</b>	<b>days</b>	<b>1L PET</b>
Suspended solids		mg/L	2020		
<b>SS_PH7</b>	<b>Suspended solids @ pH7</b>		<b>2</b>	<b>days</b>	<b>1L PET</b>
SS@pH7 load		kg/d	3710		
Suspended solids @ pH7		mg/L	2022		
<b>SS_SETTLEABLE</b>	<b>Settleable suspended solids</b>		<b>10</b>	<b>days</b>	<b>1L PET</b>
Settleable solids		mg/L	2023		
<b>SSVI</b>	<b>Suspended solids</b>		<b>2</b>	<b>days</b>	<b>MLSS pot</b>
SSVI		ml/g	2810		
<b>SULPHATE</b>	<b>Sulphate on Aquakem</b>		<b>2</b>	<b>days</b>	<b>1L PET</b>
Sulphate		mg/L	2522		
<b>SULPHATE_SOL</b>	<b>Soluble sulphate on Aquakem</b>		<b>2</b>	<b>days</b>	<b>1L PET</b>
Soluble sulphate		mg/L	2525		
<b>TDS_105</b>	<b>Total dried solids @ 105 °C</b>		<b>14</b>	<b>days</b>	<b>1L PET</b>
TDS @ 105°C		mg/L	2030		
<b>TDS_180</b>	<b>Total dried solids @ 180 °C</b>		<b>28</b>	<b>days</b>	<b>1L PET</b>
TDS @ 180°C		mg/L	2031		
<b>TOC_POT</b>	<b>Total organic carbon - potable</b>		<b>22</b>	<b>days</b>	<b>TOC tube</b>
Total organic carbon		mg/L	4067		
<b>TOC_WASTE</b>	<b>Total organic carbon - waste</b>		<b>22</b>	<b>days</b>	<b>TOC tube</b>
Total organic carbon		mg/L	4067		
<b>TON</b>	<b>TON on Aquakem</b>		<b>2</b>	<b>days</b>	<b>1L PET</b>
Total oxidised nitrogen		mg/L N	2502		
<b>UV_TRANS</b>	<b>UV transmittance</b>		<b>7</b>	<b>days</b>	<b>1L PET</b>
UV transmittance		%	2082		
UV transmittance filtered		%	2083		
<b>UV_TRANS_DUP</b>	<b>UV transmittance duplicate</b>		<b>7</b>	<b>days</b>	<b>1L PET</b>
UV transmittance		%	2082		
UV transmittance filtered		%	2083		
<b>VA</b>	<b>Volatile acids</b>		<b>4</b>	<b>days</b>	<b>Sludge pot</b>
Volatile acids		mg CH3COOH/L	2370		

<b>X_WASTE_LLD</b>	<b>Surface and groundwater metals, As, B, Ba, Be, Cd, Cr, Cu, Li, Ni, Pb, Zn</b>	<b>14</b>	<b>days</b>	<b>Metals pot</b>
Arsenic	mg/L	4330		
Barium	mg/L	4560		
Beryllium	mg/L	4040		
Boron	mg/L	4050		
Cadmium	mg/L	4480		
Chromium	mg/L	4240		
Copper	mg/L	4290		
Lead	mg/L	4820		
Lithium	mg/L	4030		
Nickel	mg/L	4280		
Zinc	mg/L	4300		
<b>X_WASTE_SN</b>	<b>Tin in Sewage &amp; Trade Waste Waters by ICP_MS</b>	<b>14</b>	<b>days</b>	<b>Metals pot</b>
Tin	mg/L	4500		
<b>X_WASTE1_SOL</b>	<b>Waste water soluble metals As, Cd, Cr, Cu, Pb, Mo, Ni, Zn</b>	<b>14</b>	<b>days</b>	<b>Metals pot</b>
Soluble arsenic	mg/L	4331		
Soluble cadmium	mg/L	4481		
Soluble chromium	mg/L	4241		
Soluble copper	mg/L	4291		
Soluble lead	mg/L	4821		
Soluble molybdenum	mg/L	4421		
Soluble nickel	mg/L	4281		
Soluble zinc	mg/L	4301		
<b>X_WASTE1_TOT</b>	<b>Waste water metals As, Cd, Cr, Cu, Mo, Ni, Pb, Zn</b>	<b>14</b>	<b>days</b>	<b>Metals pot</b>
Arsenic	mg/L	4330		
Cadmium	mg/L	4480		
Chromium	mg/L	4240		
Copper	mg/L	4290		
Lead	mg/L	4820		
Molybdenum	mg/L	4420		
Nickel	mg/L	4280		
Zinc	mg/L	4300		
<b>X_WASTE2_SOL</b>	<b>Waste water soluble metals Be, B, Co, Sb, V</b>	<b>14</b>	<b>days</b>	<b>Metals pot</b>
Soluble antimony	mg/L	4511		
Soluble beryllium	mg/L	4041		
Soluble boron	mg/L	4051		
Soluble cobalt	mg/L	4271		
Soluble vanadium	mg/L	4231		
<b>X_WASTE2_TOT</b>	<b>Waste water metals Be, B, Co, Sb, V</b>	<b>14</b>	<b>days</b>	<b>Metals pot</b>
Antimony	mg/L	4510		
Beryllium	mg/L	4040		
Boron	mg/L	4050		
Cobalt	mg/L	4270		
Vanadium	mg/L	4230		
<b>X_WASTE_AQC</b>	<b>Waste water metals As, B, Be, Cd, Co, Cr, Cu, Mo, Ni, Pb, Sb, V, Zn</b>	<b>28</b>	<b>days</b>	<b>Metals pot</b>
Antimony	mg/L	4510		
Arsenic	mg/L	4330		
Beryllium	mg/L	4040		
Boron	mg/L	4050		
Cadmium	mg/L	4480		
Chromium	mg/L	4240		
Cobalt	mg/L	4270		

Copper	mg/L	4290
Lead	mg/L	4820
Molybdenum	mg/L	4420
Nickel	mg/L	4280
Vanadium	mg/L	4230
Zinc	mg/L	4300

### Microbiology laboratory

<b>ALGAL_COUNTS</b>	<b>Algal counts</b>		<b>7</b>	<b>days</b>	<b>250ml Pyrx</b>
Algae Blue/Green	cells/ml	0903			
Algae Diatoms	cells/ml	0901			
Algae Green	cells/ml	0902			
Algae others	cells/ml	0904			
Algal count	cells/ml	0900			
<b>CHLOROPHYLL</b>	<b>Chlorophyll</b>		<b>3</b>	<b>days</b>	<b>Chl'phyll</b>
Total chlorophyll-a	µg/L	2900			
<b>CHLOROPHYLL_A_BBE</b>	<b>In vivo fluorometric quantification of chlorophyll-a from algae</b>		<b>2</b>	<b>days</b>	<b>Chl'phyll</b>
Chlorophyll-a	µg/L	2900			
<b>CLOSTRID_CONFMD</b>	<b>Confirmed Clostridium</b>		<b>4</b>	<b>days</b>	<b>Large bact</b>
Clostridium perfringens	/100 ml	0140			
<b>CLOSTRID_PRESUM</b>	<b>Presumptive Clostridium</b>		<b>4</b>	<b>days</b>	<b>Large bact</b>
Presumptive Clostridium perfringens	/100 ml	0145			
<b>CLOSTRID_RAW</b>	<b>Confirmed Clostridium for raw waters</b>		<b>4</b>	<b>days</b>	<b>Large bact</b>
Clostridium perfringens	/100 ml	0140			
<b>COLIFORMS_1L</b>	<b>Potable microbiology, coliforms (cfu/1L)</b>		<b>4</b>	<b>days</b>	<b>Small bact</b>
Coliform bacteria	cfu/1L	0122			
Escherichia coli	cfu/1L	0124			
Presumptive coliform bacteria	cfu/1L	0121			
Presumptive E. coli	cfu/1L	0123			
<b>COLIFORMS_250ML</b>	<b>Coliform bacteria and Escherichia coli (cfu/250ml)</b>		<b>4</b>	<b>days</b>	<b>Small bact</b>
Coliform bacteria	/250ml	0111			
Escherichia coli	/250ml	0131			
Presumptive coliform bacteria	/250ml	0146			
Presumptive E. coli	/250ml	0147			
<b>COLIFORMS_CAP</b>	<b>Bottled water cap coliforms (cfu/50 ml)</b>		<b>4</b>	<b>days</b>	<b>Bottle cap</b>
Coliform bacteria	/50ml	0112			
Escherichia coli	/50ml	0132			
Presumptive coliform bacteria	/50ml	0113			
Presumptive E. coli	/50ml	0134			
<b>COLIFORMS_POT</b>	<b>Potable microbiology, coliforms (cfu/100 ml)</b>		<b>4</b>	<b>days</b>	<b>Small bact</b>
Coliform bacteria	/100 ml	0110			
Escherichia coli	/100 ml	0130			
Presumptive coliform bacteria	/100 ml	0115			
Presumptive E. coli	/100 ml	0135			
<b>COLIFORMS_RAW</b>	<b>Raw water microbiology, coliforms (cfu/100 ml)</b>		<b>4</b>	<b>days</b>	<b>Small bact</b>
Escherichia coli	/100 ml	0130			
Total coliforms	/100 ml	0110			

<b>ENTEROCOCCI_1L_CON</b>	<b>Confirmed Enterococci /L</b>		<b>2</b>	<b>days</b>	<b>1L bact</b>
Enterococci	/L	0152			
<b>ENTEROCOCCI_1L_PRE</b>	<b>Presumptive Enterococci /1L</b>		<b>2</b>	<b>days</b>	<b>1L bact</b>
Presumptive Enterococci	/L	0153			
<b>F_STREP_CON_250</b>	<b>Confirmed Enterococci 250ml</b>		<b>4</b>	<b>days</b>	<b>1L bact</b>
Confirmed Enterococci / 250ml	/250ml	0151			
<b>F_STREP_CONFMD</b>	<b>Confirmed Enterococci</b>		<b>4</b>	<b>days</b>	<b>Large bact</b>
Enterococci	/100 ml	0150			
<b>F_STREP_PRESUM</b>	<b>Presumptive Enterococci</b>		<b>4</b>	<b>days</b>	<b>Large bact</b>
Presumptive Enterococci	/100 ml	0155			
<b>F_STREP_RAW</b>	<b>Confirmed Enterococci for raw waters</b>		<b>4</b>	<b>days</b>	<b>Large bact</b>
Enterococci	/100 ml	0150			
<b>FILAMENTOUS_ID</b>	<b>Filamentous bacteria identification</b>		<b>2</b>	<b>days</b>	<b>Misc</b>
Filamentous bacteria	p/a	0390			
<b>GIARDIA</b>	<b>Giardia</b>		<b>14</b>	<b>days</b>	<b>Crypt filt</b>
Giardia	/10L	0813			
<b>LEGION_CONFMD</b>	<b>Legionella species</b>		<b>20</b>	<b>days</b>	<b>1L bact</b>
Legionella species	cfu/1L	0650			
<b>LEGION_PRS_ABS</b>	<b>Legionella presence/absence</b>		<b>20</b>	<b>days</b>	<b>1L bact</b>
Legionella presence/absence		0652			
<b>MICRO_LIME_SLDG</b>	<b>Microbiology of lime sludge</b>		<b>7</b>	<b>days</b>	<b>150ml ster</b>
Escherichia coli	/g	1131			
Faecal coliforms	/g	1130			
<b>MICRO_SLUDGE</b>	<b>Microbiology of sludge</b>		<b>4</b>	<b>days</b>	<b>150ml ster</b>
Escherichia coli	/g	1131			
Faecal coliforms	/g	1130			
<b>MICRO_TBX_LIME_SLD</b>	<b>Enumeration and identification of E. coli by TBX</b>		<b>1</b>	<b>day</b>	<b>150ml ster</b>
Escherichia coli	cfu/g	1131			
<b>MICRO_WASTE</b>	<b>Waste water microbiology</b>		<b>3</b>	<b>days</b>	<b>150ml ster</b>
Enterococci	/100 ml	0150			
Escherichia coli	/100 ml	0130			
Total coliforms	/100 ml	0110			
<b>NLF_1L</b>	<b>Non-lactose fermenters per litre</b>		<b>4</b>	<b>days</b>	<b>Small bact</b>
Non-lactose fermenters	/L	0128			
<b>NON_LACTOSE_FRM</b>	<b>Non-lactose fermenters</b>		<b>4</b>	<b>days</b>	<b>Small bact</b>
Non-Pseudo like non-lactose fermenters	/100 ml	0127			
Pseudo like non-lactose fermenters	/100 ml	0129			
<b>PLATE_22_BOT11L</b>	<b>Bottled water plate count @ 22°C - 3 day/11L</b>		<b>4</b>	<b>days</b>	<b>11L bottle</b>
Bottled water plate count 3 day 22°C 11L	cfu/11L	0042			
<b>PLATE_22_BOT19L</b>	<b>Bottled water plate count @ 22°C - 3 day/19L</b>		<b>4</b>	<b>days</b>	<b>19L bottle</b>

Bottled water plate count 3 day 22°C 19L	cfu/19L	0043		
<b>PLATE_22_BOT23L</b>	<b>Bottled water plate count @ 22°C - 3 day/23L</b>		<b>4</b>	<b>days</b>
Bottled water plate count 3 day 22°C 23L	cfu/23L	0044		<b>23L bottle</b>
<b>PLATE_2D_CNT37</b>	<b>Plate count 2 day @ 37°C</b>		<b>3</b>	<b>days</b>
Plate count 2 day @ 37°C	/ml	0011		<b>Small bact</b>
<b>PLATE_CNT22_CAP</b>	<b>Bottled water cap plate count @ 22°C - 3 day</b>		<b>4</b>	<b>days</b>
Plate count - BWCA calculated result	cfu/cap	0045		<b>Bottle cap</b>
<b>PLATE_CNT22_POT</b>	<b>Plate count 3 day @ 22°C</b>		<b>4</b>	<b>days</b>
Plate count 3 day @ 22°C	/ml	0040		<b>Small bact</b>
<b>PLATE_CNT22_RAW</b>	<b>Raw plate count @ 22°C - 3 day</b>		<b>4</b>	<b>days</b>
Plate count 3 day @ 22°C	/ml	0040		<b>Small bact</b>
<b>PLATE_CNT30</b>	<b>Plate count 2 day &amp; 30°C</b>		<b>0</b>	<b>days</b>
Plate count 2 day @ 30°C	/ml	0060		<b>Small bact</b>
<b>PLATE_CNT37_POT</b>	<b>Potable plate count @ 37°C - 1 day</b>		<b>4</b>	<b>days</b>
Plate count 1 day @ 37°C	/ml	0010		<b>Small bact</b>
<b>PSEUDO_1L_CONFMD</b>	<b>Confirmed Pseudomonas aeruginosa</b>		<b>7</b>	<b>days</b>
Pseudomonas aeruginosa	/L	0177		<b>Small bact</b>
<b>PSEUDO_1L_PRESUM</b>	<b>Presumptive Pseudomonas aeruginosa</b>		<b>7</b>	<b>days</b>
Presumptive Pseudomonas aeruginosa	/L	0172		<b>Small bact</b>
<b>PSEUDO_250ML</b>	<b>Confirmed Pseudomonas 250ml</b>		<b>7</b>	<b>days</b>
Pseudomonas aeruginosa / 250ml	/250ml	0171		<b>1L bact</b>
<b>PSEUDO_250ML_PR</b>	<b>Presumptive Pseudomonads aeruginosa 250 ml</b>		<b>7</b>	<b>days</b>
Pres P. aeruginosa / 250ml	/250ml	0176		<b>1L bact</b>
<b>PSEUDO_CONFMD</b>	<b>Confirmed Pseudomonas aeruginosa</b>		<b>7</b>	<b>days</b>
Pseudomonas aeruginosa	/100 ml	0170		<b>Small bact</b>
<b>PSEUDO_PRESUM</b>	<b>Presumptive Pseudomonas aeruginosa</b>		<b>7</b>	<b>days</b>
Presumptive Pseudomonas aeruginosa	/100 ml	0175		<b>Small bact</b>
<b>SALMONELLA</b>	<b>Salmonella</b>		<b>5</b>	<b>days</b>
Salmonella	/L	0620		<b>1L bact</b>
Salmonella, pres/abs	p/a	0622		
<b>SALMONELLA_SLDG</b>	<b>Salmonella</b>		<b>5</b>	<b>days</b>
Salmonella, dry weight	/10 g	1624		<b>Small bact</b>
<b>SPORE_30_2DAY</b>	<b>Spore count 2 day @ 30°C</b>		<b>4</b>	<b>days</b>
Aerobic spore count 2 day @ 30°C	/ml	0032		<b>Small bact</b>
<b>SPORE_37_SLUDGE</b>	<b>Spore count 2 day @ 37°C in sludges</b>		<b>4</b>	<b>days</b>
Aerobic spore count 2 day @ 37°C	/g dry wt	1030		<b>Small bact</b>
<b>Trace organics laboratory</b>				
<b>ACID_HERBICIDES</b>	<b>Direct Injection LC-QQQ Acid Herbicides</b>		<b>14</b>	<b>days</b>
2,4-D	ng/L	6510		<b>500 ml PET</b>

2,4-DB	ng/L	6517
Bentazone	ng/L	6518
Boscalid	ng/L	6091
Clopyralid	ng/L	6540
Dicamba	ng/L	6501
Fluroxypyr	ng/L	6542
MCPA	ng/L	6513
MCPB	ng/L	6514
Mecoprop (CMPP)	ng/L	6512
Picloram	ng/L	6541
Propyzamide	ng/L	6098
Quinmerac	ng/L	6099
Triclopyr	ng/L	6520

**ALK\_PESTS\_DIRECT Neutral and Alkaline Pesticides by Direct Aqueous Injection 14 days 500 ml PET**

Atrazine	ng/L	6400
Azoxystrobin	ng/L	6417
Carbetamide	ng/L	6092
Chloridazon	ng/L	6415
Chlorotoluron	ng/L	6700
Cyanazine	ng/L	6490
Desethylatrazine	ng/L	6410
Desisopropylatrazine	ng/L	6411
Diuron	ng/L	6703
Flufenacet	ng/L	6096
Isoproturon	ng/L	6701
Linuron	ng/L	6702
Metaldehyde	ng/L	6100
Metamitron	ng/L	6414
Metazachlor	ng/L	6480
Methabenzthiazuron	ng/L	6705
Metribuzin	ng/L	6820
Monolinuron	ng/L	6416
Monuron	ng/L	6704
Napropamide	ng/L	6413
Prometryn	ng/L	6401
Propazine	ng/L	6402
Prosulfocarb	ng/L	6571
Simazine	ng/L	6403
Terbuthylazine	ng/L	6412
Terbutryn	ng/L	6810
Trietazine	ng/L	6404

**DI-CL\_ETHANE 1,2-dichloroethane by headspace GC MS 7 days 1L PET**

1,2-Dichloroethane	µg/L	8123
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**FOG\_PET\_ETHER The determination of fats, oils and greases (FOGs) in waste water by filtration, so 10 days 1L ClrGlass**

FOG	mg/L	2311
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**FORMALDEHYDE Free Formaldehyde using Spectrophotometry 7 days 1L PET**

Colour corrected formaldehyde	mg/L	2330
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**FORMALDEHYDE\_MC Formaldehyde MCERTS using Spectrophotometry 7 days 1L PET**

Colour corrected formaldehyde	mg/L	2330
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**GC\_MS Investigative GC-MS 28 days 1L glass**

Trace organic GCMS analysis	code	9999
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**GEOSMIN\_MIB Geosmin & methyl isoborneol 21 days 1L PET**

Geosmin	ng/L	9995
Methyl Isoborneol	ng/L	9996

<b>HALOFORM_POT</b>	<b>Haloforms and chlorinated solvents in potable water</b>		<b>7 days</b>	<b>Halo bott</b>
1,1,1-Trichloroethane	µg/L	8120		
Bromodichloromethane	µg/L	8101		
Bromoform	µg/L	8103		
Carbon tetrachloride	µg/L	8110		
Chloroform	µg/L	8100		
Dibromochloromethane	µg/L	8102		
Tetrachloroethene	µg/L	8122		
Total ethenes	µg/L	8124		
Trichloroethene	µg/L	8121		
Trihalomethanes	µg/L	8109		

<b>HYDROCARBON_OIL</b>	<b>Hydrocarbon oils</b>		<b>14 days</b>	<b>1L glass</b>
Hydrocarbon oils	mg/L	8300		

<b>LCMS_DAILY</b>	<b>LCMS herbicides in potable water - daily sampling</b>		<b>3 days</b>	<b>500 ml PET</b>
Triplequad 2,4-D	ng/L	6525		
Triplequad chlorotoluron	ng/L	6526		
Triplequad isoproturon	ng/L	6528		
Triplequad MCPA	ng/L	6522		
Triplequad MCPB	ng/L	6523		
Triplequad mecoprop (CMPP)	ng/L	6527		
Triplequad metaldehyde	ng/L	6532		
Triplequad metazachlor	ng/L	6529		
Triplequad simazine	ng/L	6524		

<b>LCMS_SCAN</b>	<b>LCMS scan</b>		<b>7 days</b>	<b>1L PET</b>
LCMS scan	code	9993		

<b>LCMS_TARGET_SCREEN</b>	<b>LCMS target screen</b>		<b>14 days</b>	<b>500 ml PET</b>
Amidosulfuron	ng/L	6577		
Bromuconazole	ng/L	6582		
Clothiandin	ng/L	6109		
Cyantraniliprole	ng/L	6581		
Diflufenican	ng/L	6576		
Dimethenamid-P	ng/L	6575		
Florasulam	ng/L	6574		
Fluopicolide	ng/L	6104		
Fluoxastrobin	ng/L	6111		
Flurtamone	ng/L	6570		
Flutriafol	ng/L	6097		
Fosthiazate	ng/L	6110		
Isoxaben	ng/L	6105		
Mesosulfuron(-methyl)	ng/L	6573		
Metobromuron	ng/L	6579		
Metsulfuron-methyl	ng/L	6572		
Penflufen	ng/L	6580		
Thiamethoxam	ng/L	6106		
Tribenuron-methyl	ng/L	6578		

<b>MICROCYST_INCELL</b>	<b>Microcystins, intracellular</b>		<b>7 days</b>	<b>1 Lt glass</b>
Microcystin-LR	µg/L	8474		
Microcystin-RR	µg/L	8476		
Microcystin-YR	µg/L	8475		

<b>MICROCYSTIN_KG</b>	<b>Microcystins µg/kg</b>		<b>7 days</b>	<b>1 Lt glass</b>
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Microcystin	µg/kg	8473		
<b>MICROCYSTINS</b>	<b>Microcystins</b>		<b>7 days</b>	<b>1 Lt glass</b>
Microcystin-LR	µg/L	8470		
Microcystin-RR	µg/L	8472		
Microcystin-YR	µg/L	8471		
<b>OCPS_MS</b>	<b>Organochlorine pesticides, by GC-MS, in potable water</b>		<b>14 days</b>	<b>500ml glas</b>
1,2,3-Trichlorobenzene	ng/L	8210		
1,2,4-Trichlorobenzene	ng/L	8212		
1,3,5-Trichlorobenzene	ng/L	8213		
Alpha BHC	ng/L	6000		
Alpha endosulphan	ng/L	6050		
Beta BHC	ng/L	6001		
Beta endosulphan	ng/L	6051		
Chlorothalonil	ng/L	6072		
Dichlobenil	ng/L	6811		
Dieldrin	ng/L	6011		
Gamma BHC (lindane)	ng/L	6002		
Heptachlor epoxide	ng/L	6021		
Hexachlorobenzene	ng/L	8200		
p,p'-DDT	ng/L	6035		
Pentachlorobenzene	ng/L	8220		
<b>OCPS_POT</b>	<b>Organochlorine pesticides in potable water</b>		<b>14 days</b>	<b>1 L Amber</b>
Aldrin	ng/L	6010		
Alpha BHC	ng/L	6000		
Chlorothalonil	ng/L	6072		
Dichlobenil	ng/L	6811		
Dieldrin	ng/L	6011		
Gamma BHC (lindane)	ng/L	6002		
Heptachlor	ng/L	6020		
Heptachlor epoxide	ng/L	6021		
Hexachlorobutadiene	ng/L	6073		
p,p'-DDT	ng/L	6035		
Quintozene	ng/L	6071		
Tri-allate	ng/L	6600		
<b>OCPS_RAW</b>	<b>Organochlorine pesticides in raw water</b>		<b>14 days</b>	<b>500ml glas</b>
1,2,3-Trichlorobenzene	ng/L	8210		
1,2,4-Trichlorobenzene	ng/L	8212		
1,3,5-Trichlorobenzene	ng/L	8213		
Alpha endosulphan	ng/L	6050		
Beta BHC	ng/L	6001		
Beta endosulphan	ng/L	6051		
Hexachlorobenzene	ng/L	8200		
Hexachlorocyclohexane	ng/L	6006		
Pentachlorobenzene	ng/L	8220		
Trichlorobenzenes	ng/L	8219		
<b>OCPS_SLUDGE</b>	<b>Organochlorine pesticides in sludge</b>		<b>28 days</b>	<b>Sludge pot</b>
Alpha BHC	ng/L	6000		
Beta BHC	ng/L	6001		
Dieldrin	ng/L	6011		
Gamma BHC (lindane)	ng/L	6002		
Hexachlorobenzene	ng/L	9200		
p,p'-DDE	ng/L	6031		
p,p'-DDT	ng/L	6035		
p,p'-TDE	ng/L	6033		

PCB Arochlor 1260	ng/L	8000		
<b>OCPS_WASTE</b>	<b>Organochlorine pesticides in waste waters</b>		<b>14 days</b>	<b>500ml glas</b>
Aldrin	ng/L	6010		
Alpha BHC	ng/L	6000		
Beta BHC	ng/L	6001		
Dieldrin	ng/L	6011		
Endrin	ng/L	6040		
Gamma BHC (lindane)	ng/L	6002		
Hexachlorocyclohexane	ng/L	6006		
<b>OIL_ID</b>	<b>Oil identification by GC MS</b>		<b>28 days</b>	<b>1Lt Glass</b>
Oil & Fat identification	code	8301		
<b>OXYHALIDES</b>	<b>Oxyhalides</b>		<b>14 days</b>	<b>Bromate</b>
Bromate	µg/L	2582		
Bromide	µg/L	2583		
Chlorate	µg/L	2584		
Chlorite	µg/L	2585		
<b>PAHS_POT</b>	<b>PAHs in potable waters by solid phase extraction</b>		<b>14 days</b>	<b>PAH</b>
Benzo(a)pyrene	ng/L	8053		
Benzo(b)fluoranthene	ng/L	8051		
Benzo(ghi)perylene	ng/L	8054		
Benzo(k)fluoranthene	ng/L	8052		
Fluoranthene	ng/L	8050		
Indeno(123cd)pyrene	ng/L	8055		
Total PAHs	ng/L	8059		
Total PAHs (DWI 2004)	ng/L	8069		
<b>PHARM_ACIDIC</b>	<b>Pharmaceuticals in raw and treated sewage effluents by LC-QQQ</b>		<b>15 days</b>	<b>500ml amb</b>
Atorvastatin	µg/L	9726		
Ciprofloxacin	µg/L	9727		
Diclofenac	µg/L	9728		
Ibuprofen	µg/L	9729		
Ortho-hydroxyatorvastatin	µg/L	9730		
Para-hydroxyatorvastatin	µg/L	9731		
Ranitidine	µg/L	9732		
Tamoxifen	µg/L	9733		
<b>PHARM_BASE</b>	<b>Pharmaceuticals in raw and treated sewage effluents by LC-QQQ</b>		<b>15 days</b>	<b>500ml amb</b>
10,11-epoxycarbamazepine	µg/L	9734		
Atenolol	µg/L	9735		
Azithromycin	µg/L	9736		
Benzotriazole	µg/L	9737		
Carbamazepine	µg/L	9738		
Clarithromycin	µg/L	9739		
Erythromycin	µg/L	9740		
Fluoxetine	µg/L	9741		
Metformin	µg/L	9742		
Norerythromycin	µg/L	9743		
Norsertaline	µg/L	9744		
Propranolol	µg/L	9745		
Sertraline	µg/L	9746		
Tolytriazole	µg/L	9747		
<b>PRIORITY_SUBSTANCES</b>	<b>Priority substances in raw and treated sewage effluents and river waters by GC-Q 21</b>		<b>days</b>	<b>500ml amb</b>
4-para-nonyl phenol	µg/L	9717		
4-tert-octyl phenol	µg/L	9718		

Benzo(a)pyrene	µg/L	8072
Benzo(b)fluoranthene	µg/L	8040
Benzo(ghi)perylene	µg/L	8041
Benzo(k)fluoranthene	µg/L	8042
Diethyl-hexyl phthalate	µg/L	9208
Fluoranthene	µg/L	8073
Indeno(123cd)pyrene	µg/L	8043
Nonyl phenol diethoxylate	µg/L	9510
Nonyl phenol monoethoxylate	µg/L	9511
Nonyl phenol triethoxylate	µg/L	9512
PBDE-100	µg/L	9719
PBDE-153	µg/L	9720
PBDE-154	µg/L	9721
PBDE-28	µg/L	9722
PBDE-47	µg/L	9723
PBDE-99	µg/L	9724
Triclosan	µg/L	9725

<b>SILOXANES</b>	<b>Siloxanes</b>		<b>28</b>	<b>days</b>	<b>1Lt Glass</b>
Siloxanes	µg/L	9991			

<b>SOLVENTS</b>	<b>Semi-quantitative solvents by GC-MS</b>		<b>28</b>	<b>days</b>	<b>1L glass</b>
Solvents	mg/L	8399			

<b>STEROIDS</b>	<b>Steroids in raw and treated sewage effluents by LC-QQQ</b>		<b>5</b>	<b>days</b>	<b>250ml amb</b>
17 alpha ethinyloestradiol	µg/L	9714			
17 beta oestradiol	µg/L	9715			
Oestrone	µg/L	9716			

<b>VOC_1</b>	<b>Volatile Organic Compounds by HS-GCMS (VOC 1)</b>		<b>7</b>	<b>days</b>	<b>VOC tube</b>
1,1,1-trichloroethane	µg/L	8120			
1,2-dichloroethane	µg/L	8123			
Benzene	µg/L	8310			
Bromodichloromethane	µg/L	8101			
Bromoform	µg/L	8103			
Carbon tetrachloride	µg/L	8110			
Chlorobenzene	µg/L	8202			
Chloroform	µg/L	8100			
Dibromochloromethane	µg/L	8102			
Dichloromethane	µg/L	8111			
Ethylbenzene	µg/L	8313			
m+p-xylene	µg/L	8314			
MTBE	µg/L	9405			
o-xylene	µg/L	8315			
Styrene	µg/L	9406			
Tetrachloroethene	µg/L	8122			
Toluene	µg/L	8311			
Trichloroethene	µg/L	8121			
Trihalomethanes	µg/L	8109			
Xylene isomers	µg/L	8312			

<b>VOC_2</b>	<b>Volatile Organic Compounds by HS-GCMS (VOC 2)</b>		<b>7</b>	<b>days</b>	<b>VOC tube</b>
1,1,2,-Trichlorotrifluoroethane	µg/L	8170			
1,1,2,2-Tetrachloroethane	µg/L	9418			
1,1,2-Trichloroethane	µg/L	9419			
1,1-Dichloroethane	µg/L	9413			
1,1-Dichloroethene	µg/L	9400			
1,2,4-Trichlorobenzene	µg/L	8212			
1,2-Dibromo-3-chloropropane	µg/L	9410			

1,2-Dibromoethane	µg/L	9411
1,2-Dichlorobenzene	µg/L	9401
1,2-Dichloropropane	µg/L	9402
1,3-Dichlorobenzene	µg/L	9412
1,4-Dichlorobenzene	µg/L	9403
Carbon disulfide	µg/L	9408
cis-1,2-dichloroethene	µg/L	9404
cis-1,3,-Dichloropropene	µg/L	9414
Cyclohexane	µg/L	9409
Isopropylbenzene	µg/L	9416
Methyl acetate	µg/L	9417
Methylcyclohexane	µg/L	9420
trans-1,2-dichloroethene	µg/L	9407
trans-1,3-Dichloropropene	µg/L	9415

<b>VOC_SCAN</b>	<b>Volatile Organic Compounds by HS-GCMS (VOC Scan)</b>		<b>7</b>	<b>days</b>	<b>VOC tube</b>
VOC scan		9421			

**Sludge & soils laboratory**

<b>ACIDITY</b>	<b>Acidity</b>		<b>7</b>	<b>days</b>	<b>1L PET</b>
Acidity PP		mg CaCO3/L	2049		

<b>ACIDSOL_F</b>	<b>Acid soluble fluoride</b>		<b>28</b>	<b>days</b>	<b>Sludge pot</b>
Acid soluble fluoride		mg/kg	2549		

<b>AMMONIA_SLUDGE</b>	<b>Water soluble ammonia in sludges on Aquakem</b>		<b>10</b>	<b>days</b>	<b>Sludge pot</b>
Ammoniacal nitrogen		mg/kg	2509		

<b>AMMONIA_SLUDGE_LI</b>	<b>Water soluble ammoniacal nitrogren in sludges</b>		<b>10</b>	<b>days</b>	<b>Sludge pot</b>
Ammoniacal nitrogen		mg/kg	2509		

<b>AVAILABLE_K</b>	<b>Available potassium</b>		<b>28</b>	<b>days</b>	<b>Bag</b>
Available potassium		mg/L	4195		

<b>AVAILABLE_MG</b>	<b>Available magnesium</b>		<b>28</b>	<b>days</b>	<b>Bag</b>
Available magnesium		mg/L	4125		

<b>AVAILABLE_P</b>	<b>Available phosphorus</b>		<b>28</b>	<b>days</b>	<b>Bag</b>
Available phosphorus		mg/L	4155		

<b>DRY_SOLIDS</b>	<b>Dry and volatile solids</b>		<b>7</b>	<b>days</b>	<b>Sludge pot</b>
Dry solids		%	2029		
Volatile solids		%	2028		

<b>HG_SLUDGE</b>	<b>Sludge mercury</b>		<b>14</b>	<b>days</b>	<b>Sludge pot</b>
Mercury		mg/kg	4803		

<b>HG_SOIL</b>	<b>Soil mercury</b>		<b>28</b>	<b>days</b>	<b>Bag</b>
Mercury		mg/kg	4803		

<b>MET_SLUDGE</b>	<b>Sludge metals Cr, Ni, Cu, Zn, As, Mo, Cd &amp; Pb</b>		<b>28</b>	<b>days</b>	<b>Sludge pot</b>
Arsenic		mg/kg	4333		
Cadmium		mg/kg	4483		
Chromium		mg/kg	4243		
Copper		mg/kg	4293		
Lead		mg/kg	4823		
Molybdenum		mg/kg	4423		
Nickel		mg/kg	4283		

Zinc		mg/kg	4303		
Zinc equivalent			4309		
<b>MET_SLUDGE_AL</b>	<b>Sludge metal, Al</b>			<b>28</b>	<b>days</b>
Aluminium		mg/kg	4133		<b>Sludge pot</b>
<b>MET_SLUDGE_CA</b>	<b>Sludge metal, Ca</b>			<b>28</b>	<b>days</b>
Calcium		mg/kg	4203		<b>Sludge pot</b>
<b>MET_SLUDGE_FE</b>	<b>Sludge metal, Fe</b>			<b>28</b>	<b>days</b>
Iron		mg/kg	4263		<b>Sludge pot</b>
<b>MET_SLUDGE_K</b>	<b>Sludge metal, K</b>			<b>28</b>	<b>days</b>
Potassium		mg/kg	4193		
Potassium as K2O		mg/L K2O	4196		
<b>MET_SLUDGE_MN</b>	<b>Sludge metal, Mn</b>			<b>28</b>	<b>days</b>
Manganese		mg/kg	4253		<b>Sludge pot</b>
<b>MET_SLUDGE_NA</b>	<b>Sludge metal, Na</b>			<b>28</b>	<b>days</b>
Sodium		mg/kg	4113		<b>Sludge pot</b>
<b>MET_SOIL</b>	<b>Soil metals Cr, Ni, Cu, Zn, As, Mo, Cd, Pb</b>			<b>28</b>	<b>days</b>
Arsenic		mg/kg	4333		<b>Bag</b>
Cadmium		mg/kg	4483		
Chromium		mg/kg	4243		
Copper		mg/kg	4293		
Lead		mg/kg	4823		
Molybdenum		mg/kg	4423		
Nickel		mg/kg	4283		
Zinc		mg/kg	4303		
<b>N_SLUDGE</b>	<b>Total nitrogen</b>			<b>28</b>	<b>days</b>
Total nitrogen		mg/kg	4073		<b>Sludge pot</b>
<b>NEUT_VALUE</b>	<b>Neutralising Value</b>			<b>7</b>	<b>days</b>
Neutralising value		% CaCO3	2380		<b>Sludge pot</b>
<b>ON_SITE_SLUDGE</b>	<b>On site analysis for sludges</b>			<b>1</b>	<b>day</b>
% Dry Matter ATS		%	2036		
DS Manual		%	2068		
DS Sartorius		%	2067		
Methane in gas		%	3850		
pH ATS			3040		
Sludge batch day		code	3930		
Sludge batch number			3931		
Temperature		°C	3600		
<b>ON_SITE_SOIL</b>	<b>On site analysis for soils</b>			<b>1</b>	<b>day</b>
Depth of soil sample		cm	3910		
Field section		code	3911		
<b>P_SLUDGE</b>	<b>Total phosphorus in sludge by Aqua 900</b>			<b>25</b>	<b>days</b>
Total phosphorus		mg/kg P2O5	4159		<b>Sludge pot</b>
<b>PH_SOLID</b>	<b>pH in soils and solid waste</b>			<b>28</b>	<b>days</b>
pH			2040		<b>1L PET</b>

<b>SE_SLUDGE</b>	<b>Selenium in sludges</b>		<b>28</b>	<b>days</b>	<b>Sludge pot</b>
Selenium		mg/kg	4343		
<b>SE_SOIL</b>	<b>Selenium in soils</b>		<b>28</b>	<b>days</b>	<b>Sludge pot</b>
Selenium		mg/kg	4343		
<b>SLDG_SULPH_MAGN</b>	<b>Sulphur and magnesium in sludges</b>		<b>28</b>	<b>days</b>	<b>Sludge pot</b>
Magnesium		mg/kg	4123		
Magnesium as MgO		mg/kg MgO	4126		
Sulphur		mg/kg	4163		
Sulphur as SO3		mg/kg SO3	4168		
<b>Supply chemistry laboratory</b>					
<b>CHLORAMINE</b>	<b>Chloramines</b>		<b>1</b>	<b>day</b>	<b>1L PET</b>
Dichloramine		mg/L	2203		
Monochloramine		mg/L	2202		
<b>CHLORINE_MONITOR</b>	<b>Chlorine monitor</b>		<b>5</b>	<b>days</b>	
Chlorine monitor		mg/L	3205		
Chlorine monitor difference		%	3206		
Free chlorine ATS		mg/L	3200		
<b>CHLORINES</b>	<b>Chlorines in supply water</b>		<b>1</b>	<b>day</b>	<b>1L PET</b>
Free chlorine		mg/L	2200		
Total chlorine		mg/L	2201		
<b>COLOUR</b>	<b>Colour measured</b>		<b>5</b>	<b>days</b>	<b>1L PET</b>
Colour (by spectrophotometer)		deg Hazen	2109		
<b>FLUORIDE</b>	<b>Fluoride in potable water</b>		<b>14</b>	<b>days</b>	<b>1L PET</b>
Fluoride		mg/L	2540		
<b>MCERTS_CHLORINE</b>	<b>MCERTS chlorines of WTC effluents</b>		<b>1</b>	<b>day</b>	
Free chlorine		mg/L	2205		
Total chlorine		mg/L	2206		
<b>ON_SITE_CHLORNE</b>	<b>On site chlorine</b>		<b>1</b>	<b>day</b>	
Free chlorine ATS		mg/L	3200		
Total chlorine ATS		mg/L	3201		
<b>ON_SITE_CHLORNE_CU</b>	<b>On site chlorine, performed by customer</b>		<b>1</b>	<b>day</b>	
Free chlorine ATS		mg/L	3200		
Total chlorine ATS		mg/L	3201		
<b>ON_SITE_CL_POST</b>	<b>On site free chlorine post disinfection</b>		<b>1</b>	<b>day</b>	
Free chlorine ATS post tap disinfection		mg/L	3204		
<b>ON_SITE_NITRATE</b>	<b>On site nitrate</b>		<b>1</b>	<b>day</b>	
Nitrate ATS		mg/L	3025		
<b>ON_SITE_ORGLPTC</b>	<b>On site organoleptic</b>		<b>1</b>	<b>day</b>	
Appearance		code	3101		
Deposit		code	3102		
Odour		code	3103		
<b>ON_SITE_OXYGEN</b>	<b>On site oxygen</b>		<b>1</b>	<b>day</b>	
Dissolved oxygen		mg/L O2	3610		

Oxygen saturation	% satn	3611		
<b>ON_SITE_SUPPLY</b>	<b>On site analysis for supply samples</b>		<b>1 day</b>	
Appearance	code	3101		
Deposit	code	3102		
Dissolved oxygen	mg/L	3610		
Flow (estimated)	m3/day	3702		
Iron	mg/L	3260		
No sample taken	code	2980		
Odour	code	3103		
Oxygen saturation	% satn	3611		
pH		3040		
Stagnation time	min	3940		
Taste	code	3104		
Temperature	°C	3600		
Turbidity ATS	NTU	3024		
Weather, today	code	3143		
<b>ON_SITE_TASTE</b>	<b>On site taste</b>		<b>1 day</b>	
Taste	code	3104		
<b>ON_SITE_TEMP</b>	<b>On site temperature measurement</b>		<b>1 day</b>	
Temperature	°C	3600		
<b>ON_SITE_WEATHER</b>	<b>On site weather</b>		<b>1 day</b>	
Weather, today	code	3143		
<b>OXIDISABILITY_EXT</b>	<b>Oxidisability (external)</b>		<b>10 days</b>	<b>1L PET</b>
Oxidisability	mg/L	2050		
<b>PH_SUPPLY</b>	<b>Potables short chemistry analysis</b>		<b>1 day</b>	<b>1L PET</b>
pH		2040		
<b>POT_SHORTS</b>	<b>Potables short chemistry</b>		<b>1 day</b>	<b>1L PET</b>
Appearance	code	2101		
Colour estimated	deg Hazen	2100		
Conductivity	µS/cm at 25°C	2034		
Deposit	code	2102		
Odour	code	2103		
pH		2040		
Taste	code	2104		
Turbidity	NTU	2024		
<b>SWABS</b>	<b>Customer tap swabs</b>		<b>7 days</b>	<b>Swab</b>
Coliform bacteria pres/abs	p/a	0120		
<b>TASTE_ODOUR</b>	<b>Threshold taste and odour</b>		<b>3 days</b>	<b>1L PET</b>
Odour, dilution no	Dil. No.	2105		
Taste, dilution no	Dil. No.	2106		
<b>TURBIDITY_WASTE</b>	<b>Turbidity analysis</b>		<b>7 days</b>	<b>1L PET</b>
Turbidity	NTU	2024		