

ALS WATERS CONTAINER GUIDE





Potable Containers:			Waste Containers:			Soil Containers:		
BOTTLE CODE	VOL (ml)	DESCRIPTION	BOTTLE CODE	VOL (ml)	DESCRIPTION	BOTTLE CODE	VOL (ml)	DESCRIPTION
STL 14	1,000	Round, clear PET	STL 13	1,000	Square or Round, Clear PET	STL 2	2,000(g)	Round, Opaque White PP
STL 10	1,000	Round, Clear Glass	STL 17	500	Round, Clear Glass	STL 41	125	Round, Clear Pot
STL 11	1,000	Round, Green PET	STL 18	500	Round, Amber Glass	STL 78	420	Round, Amber Glass
ALE 220	1,000	Round, Green Glass	STL 20	500	Square, Opaque HDPE	STL 81	1.5kg	Round, Opaque White PP
STL 13	1,000	Square or Round, Clear PET	STL 23	250	Round, Clear Glass	STL 470	420	Round, Amber Glass
STL 18	500	Round, Amber Glass	STL 24	125	Round, HDPE Azlon	STL 085	60ml	Round, Amber Glass Jar
STL 19	500	Rectangular, Clear PET	ALS 026	60	Round, Clear Glass			
STL 21	1,000	Round, Clear PET	STL 32	500	Square, Opaque HDPE			
STL 22	250	Round, Amber Glass	STL 33	250	Round, Clear Glass			
STL 24	125	Round, HDPE Azlon	STL 34	250	Round, Amber Glass			
STL 30	350	Rectangular, Opaque HDPE	STL 40	100	Round, Clear Glass			
STL 31	10,000	Rectangular, Opaque HDPE	STL 46	250	Round, Amber Glass			
STL 33	250	Round, Clear Glass	STL 51	2 x 40	Round, Clear Glass			
STL 34	250	Round, Amber Glass	STL 70	60	Round, Opaque Plastic			
ALE 246	60	Round Opaque Azlon	STL 71	60	Round, Opaque Plastic			
STL 036	125	Round, Opaque, HDPE Azlon	STL 72	40	Round, Clear Glass			
STL 51	2 x 40	Round, Clear Glass	STL 80	2,000	Rectangular, Opaque HDPE			
STL 53	2 x 40	Round, Amber Glass	STL 97	125	Round, Opaque HDPE			
ALS 058	500	Round, Amber Glass	STL 102	1,000	Square, Clear PET			
ALS 060	100	Round, Amber Glass	STL 112	500	Round, Green Glass			
STL 061	100	Round, Amber Glass	STL 200	250	Round, Clear Glass			
STL 79	40	Round, Amber Glass	STL 465	250	Round, Amber Glass			
STL 83	1,000	Rectangular, Opaque HDPE	STL 480	60	Round, Opaque PP			
VWRI331-0074	1,000	Round, Clear PET	STL 650	125	Round, HDPE Azlon			
STL 101	500	Square, Clear PET	STL 701	2 x 1,000	Square or Round, Clear PET			
STL 103	500	Round, Clear PET	STL 315	30ml	Non-Pyrogenic Container			
STL 105	250	Square, Clear PET	STL 47	250	Round, clear Glass			
ALS 130	60	Round, HDPE Azlon Blue lid	STL 90	2 x 40	Round, Amber Glass			
STL 225	350	Rectangular, Clear PET	STL92	2 x 40	Round, clear Glass			
STL 241	125	Round, Opaque HDPE	STL 061	100	Round, Amber Glass			
STL 305	-	Sterile Swab (MW170)						
STL 430	250	Round, Amber Glass						
STL 436	-	Crypto Module (Xpress)						
STL 436	-	Crypto Module (Fmax)						
STL 555	1,000	Round, Green Glass						
STL 700	1,000	Rectangular, Opaque HDPE						
STL 807	50ml	Round tube						

Environmental Monitoring Plates:		
BOTTLE CODE	Size (mm)	DESCRIPTION
STL 325	55	TSA Contact Plate
STL 326	55	MEA Contact Plate
STL 327	90	TSA Settle Plate
STL 328	90	RBA Settle Plate
STL 329	90	40ml MEA Plate
STL 331	90	40ml VRBGA plate
STL 332	90	40ml ½ NA plate
STL 333	90	GVPC Settle Plate




Utilities Containers:			Utilities Containers:			CIP3 Containers:		
BOTTLE CODE	VOL (ml)	DESCRIPTION	BOTTLE CODE	VOL (ml)	DESCRIPTION	BOTTLE CODE	VOL (ml)	DESCRIPTION
STL 1	500(g)	Round, Opaque White PP	STL 465	250	Round, Amber Glass	STL 13	1,000	Square or Round, Clear PET
STL 7	10,000	Bladder, Clear	STL 480	60	Round, Opaque PP	STL 18	500	Round, Green Glass
STL 11	1,000	Round, Green PET	STL 555	1,000	Round, Green Glass	STL 23	250	Round, Clear Glass
ALE 220	1,000	Round, Green Glass	STL 700	1,000	Rectangular, Opaque HDPE	STL 24	125	Round, HDPE Azlon
STL 19	500	Rectangular, Clear PET	STL 807	50ml	Round tube	STL 33	250	Round, Clear Glass
STL 20	500	Square, Opaque HDPE				STL 72	40	Round, Clear Glass
STL 21	1000	Round, Clear PET				STL 90	40	Round, Amber Glass
STL 22	250	Round, Amber Glass				STL 101	500	Square, Clear PET
STL 24	125	Round, HDPE Azlon				STL 105	250	Round, Clear PET
ALS 026	60	Round, Clear Glass				STL 112	500	Round, Clear Glass
STL 31	10,000	Rectangular, Opaque HDPE				STL 113	250	Round, Clear Glass
STL 33	250	Round, Clear Glass				STL 115	100	Round, Clear Glass
ALE 246	60	Round Opaque Azlon				STL 116	500	Round, Green Glass
STL 40	100	Round, Clear Glass				STL 118	60	Round, Opaque LDPE
STL 51	2 x 40	Round, Clear Glass						
STL 53	2 x 40	Round, Amber Glass						
STL 70	60	Round, Opaque Plastic						
STL 71	60	Round, Opaque Plastic						
STL 72	40	Round, Clear Glass						
STL 78	420	Round, Amber Glass						
STL 79	40	Round, Amber Glass						
STL 83	1,000	Rectangular, Opaque HDPE						
VWRI331-0074	1,000	Round, Clear PET						
STL 101	500	Square, Clear PET						
STL 102	1,000	Square, Clear PET						
STL 103	500	Round, Clear PET						
STL 105	250	Square, Clear PET						
ALS 130	60	Round, Opaque PP						
STL 225	350	Rectangular, Clear PET						
STL 226	500	Rectangular, Clear PET						
STL 241	125	Round, Opaque HDPE						
STL 305	-	Sterile Swab (MW102 & MW170)						
STL 430	250	Round, Amber Glass						

Where containers are round, no depth is given as the width is taken as the diameter.




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STL 1 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	CONTAINER WHITE NO 85 117 - - LID N/A	None	<ul style="list-style-type: none"> If sample contains large stones, please fill two sample pots 	General Soil Parameters Inorganics, Metals One full container is required ALS Wakefield use only
STL 2 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	CONTAINER WHITE NO 140 170 - - SHOULDER N/A	None		Water Supply sludge samples for various Organic and Inorganic Parameters One full container is required
STL 7 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	CUBITAINER CLEAR NO 240 240 220 - LID N/A	None		Cryptosporidium Analysis One full container is required ALS Wakefield use only
STL 10 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE PTFE 220 96 - - LID YES	None		Dalapon-Sodium One full container is required



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STL 11 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL	BOTTLE WHITE PTFE 272 81 - - JUST BELOW LID YES	Algae and Zooplankton 10 - 20ml Lugol's iodine solution per litre of sample to be added to the bottle on receipt at ALS (unless already added to bottle by customer at time of sampling.) Chlorophyll & Phaeophytin None Non-Hazardous	Algae and Zooplankton <ul style="list-style-type: none"> Samples fixed with Lugol's iodine solution can be transported at ambient temperature. Samples not fixed with Lugol's iodine solution are to be transported and stored at 5±3°C until fixed. To fix, add 10 – 20ml of Lugol's iodine solution per litre using a plastic Pasteur pipette. Recap bottle & invert. If only one bottle is received for Algae/Zooplankton & Chlorophyll/Phaeophytin, mix well & decant approximately 150ml into a separate STL11 container for Algae analysis before adding Lugol's Iodine Solution. Chlorophyll & Phaeophytin <ul style="list-style-type: none"> Samples to be transported and stored at 5±3°C and in the dark within a box until analysed. 	Algae and Zooplankton One full container is required per analysis Chlorophyll & Phaeophytin One full container is required
STL 21 (can be used as an alternative) as below:  	1 litre amber bottle code 109202	Amber bottle			
bottle code 109202 can be used an alternative to STL21					



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BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
ALE 220 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE ¹ PTFE 255 81 - - SHOULDER YES	None	<ul style="list-style-type: none"> Two containers must be supplied for each sample 	Organics GCMS Analysis Dioxins One full container is required Trace level Investigative GCMS Organic Compounds Two full containers are required
STL 13  	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE NO (SQ.) PE FOAM (R) 240 75 75 - LID YES	None	<ul style="list-style-type: none"> This chemistry sample should be taken first unless an RDT metals bottle is required 	General Inorganics, Metals excluding Mercury One full container is required CIP Inorganics One full container is required



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STL 14 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE RED YES 250 80 14 MONTHS SHOULDER N/A	Contains 0.8ml of 3% Sodium Thiosulphate SDS 8	<ul style="list-style-type: none"> This sample should be taken after chemical samples following local procedures The bottles are date stamped and must be used by the expiry date shown Do not rinse <p>Samples can be stored at ambient conditions</p>	Legionella Analysis One full 1L container is recommended.
STL 17 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE PTFE 191 80 - - TOP YES	None		Herbicides/Tins to include Acid Herbicides, PCP, Organotins and Sub Ureas One full container is required Metaldehyde One full container is required Herbs/Tins (Environmental) One full container is required



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STL 18 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE PTFE 195 70 - - SHOULDER YES	None		GCMS Scan Waste One full container is required CIP 3 GCQTOF suite Two full containers are required
STL 19 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE BLUE NO 215 70 50 24 SHOULDER YES	1.0ml of 3% w/v Sodium Thiosulphate solution. Equivalent to 0.1ml of 1.8% w/v Na Thio per 100ml Gamma Irradiated SDS 8	<ul style="list-style-type: none"> This sample should be taken after chemical samples following local procedures The bottles are date stamped and must be used by the expiry date shown Do not rinse 	Bacterial Analysis of Potable Water Samples One full container is required Microtox, T. Platyrus One full container is required.




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STL 20 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	POT RED PE FOAM 120 75 75 - SHOULDER YES	Gamma Irradiated		Waste Micro Analysis (sludge, effluents and surface waters) One full container is required Waste Sludge Inorganic One full container is required Waste Water Bacterial Analysis One full container is required
STL 22 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE PTFE 145 58 - - SHOULDER YES	None		Chlorate, Chlorite, Bromate, Bromite, Bromide One full container is required




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BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
<p>STL 23</p> 	<p>TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?</p>	<p>BOTTLE RED NO 140 70 - 3 TOP N/A</p>	<p>2ml 50% Manganese Chloride solution & 2ml Alkaline Iodide-Azide solution</p> <p>Additional preservative kit required</p> <p>Dissolved Oxygen sampling instructions</p> <p>SDS 5 & SDS 6</p> 	<ul style="list-style-type: none"> Carefully fill the bottle with sample with minimum aeration Place the stopper in the bottle to displace air and excess liquid, and then remove the stopper Add 2ml Manganese Chloride solution followed by 2ml Alkaline Iodide-Azide solution to each, dispensing the reagents just below the liquid surface Carefully replace the stopper, avoiding inclusion of air bubbles and mix thoroughly 	<p>Dissolved Oxygen</p> <p>One full container is required</p>


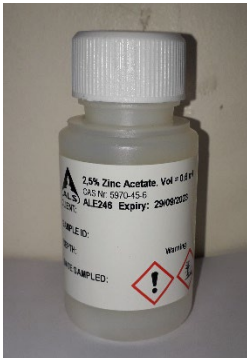

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BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 24 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE PE 115 45 - - SHOULDER YES	None		Potable PFOS One full container is required <i>Subcontracted</i> DWI 47 RAW PFAS 2 full containers are required Nitrification, Resp Inhibition One full container is required Reactive Aluminium One full container of filtered sample is required Low level metals One full container is required (Fixed on receipt if total metals requested) Total Metals One full container is required
ALS 026 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE PTFE 94 39 - 7 NECK N/A	0.3ml of 0.0167M Potassium Bromate-Bromide solution and 0.3ml of 36.5-38% Hydrochloric Acid solution SDS 9 	<ul style="list-style-type: none"> The bottles are date stamped and must be used by the expiry date shown Remove lid only just before sampling Fill bottle slowly Do not rinse 	Mercury Environmental One full container is required

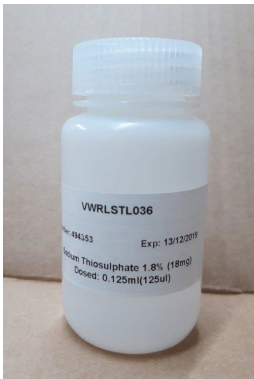


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BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 30 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE BLUE NO 160 70 50 24 SHOULDER YES	0.30ml of 3.5% w/v Sodium Thiosulphate solution. Equivalent to 0.1ml of 1.8% w/v Na Thio per 100ml Gamma Irradiated SDS 8	<ul style="list-style-type: none"> This sample should be taken after chemical samples following local procedures The bottles are date stamped and must be used by the expiry date shown Do not rinse 	Bacterial Analysis of Potable Water Samples One full container is required
STL 31 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	JERRY CAN BLACK NO 315 225 190 - TOP N/A	None		Cryptosporidium One full container is required
STL 32 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	POT BLACK PE FOAM 120 75 75 - SHOULDER YES	None		Waste Sludge Inorganic One full container is required YWS bottle code: SLUDGE_POT






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<p>STL 33</p> 	<p>TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?</p>	<p>BOTTLE WHITE PTFE 155 55 - - TOP YES</p>	<p>None</p>		<p>Pesticides to include Phenols, Acid Herbs, Organochlorines, Organophosphorus, Triazines and Moths One full container is required EH One full container is required NVM/Oils One full container is required EPH One full container is required Alkyl Phenols One full container is required Carbonates One full container is required Nitrobenzene One full container is required Oil and Grease One full container is required Glycols One full container is required CIP Pharmaceuticals Suite 1 One full container is required</p>
<p>ALE 246</p> 	<p>TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?</p>	<p>BOTTLE WHITE PE 82 38 - 24 NECK YES</p>	<p>0.6ml of 2.5% zinc acetate</p> <p>SDS 13</p> 	<ul style="list-style-type: none"> Carefully place the sample into the Azlon bottle provided (STL35) with minimum aeration until it is almost full (i.e. to the top of the neck ridge) Mix thoroughly The bottles are date stamped and must be used by the expiry date shown 	<p>Potable sulphide One full container is required</p>





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STL 036 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE YES 12 MONTHS TOP YES	Contains 0.125ml of 18 mg/l Thiosulphate SDS 8	<ul style="list-style-type: none"> The bottles are date stamped and must be used by the expiry date shown Do not rinse 	Glyphosate One full container is required Quat One full container is required DWI 47 TREATED PFAS 2 full containers are required
STL 34 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE YES YES 145 58 - 12 SHOULDER N/A	Contains 2ml HNO3 40% Nitric Acid SDS 11 		AOX One Full Container is required


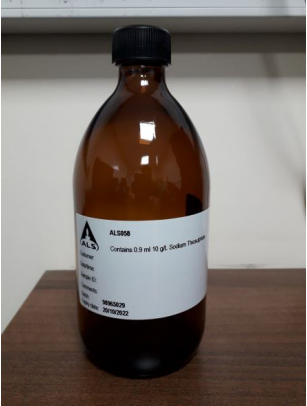
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BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
<p>STL 40</p> 	<p>TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?</p>	<p>BOTTLE BLACK PTFE 110 50 - 5 BLUE LINE N/A</p>	<p>2ml of 8M Nitric acid and 0.085M Potassium Dichromate solution SDS 18</p> 		<p>National Laboratory Service Mercury One full container is required</p> <p>Supplied by National Laboratory Service (NLS)</p> <p>Analysis subcontracted to NLS</p>
<p>STL 41</p> 	<p>TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?</p>	<p>POT WHITE NO 70 60 - - SHOULDER N/A</p>	<p>-</p>		<p>Asbestos Identification</p>
<p>STL 46</p> 	<p>TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?</p>	<p>BOTTLE WHITE PTFE 155 55 - 12 TOP YES</p>	<p>250ul of 2.51M Citric Acid and 480ug/l Silver Citrate solution SDS 24</p> 		<p>WFD Acidified Organics One full container is required</p>


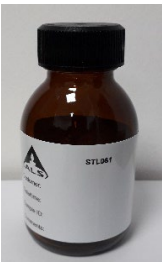


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STL 47 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE PTFE 155 - 55 5 MONTHS	12.5ml of 6.25% 2-Chloroacetamide in Methanol SDS 22 		WFD Alkylphenols 1 Full container required.
STL 51 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	VIAL GREEN SEPTA 100 28 - 6 TOP YES	0.5ml Hydrochloric Acid (50% v/v) solution SDS 10 	<ul style="list-style-type: none"> The vials are date stamped and must be used by the expiry date shown Do not rinse Ensure no headspace or air bubbles Ensure that the seal is correctly in place inside the lid with the PTFE coated side in contact with the sample liquid Two identical sample vials must be taken for each sample 	VOC Two full vials are required BTEX/MTBE Two full vials are required VPH Two full vials are required Solvents Two full vials are required YWS bottle code: 40ML_CL_VL





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STL 53 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	VIAL GREEN SEPTA 100 28 - 12 MONTHS TOP YES	0.3ml 1% (w/v) Sodium Thiosulphate solution SDS 8	<ul style="list-style-type: none"> The vials are date stamped and must be used by the expiry date shown Do not rinse Ensure there is no headspace or air bubbles Ensure that the seal is correctly in place inside the lid with the PTFE coated side in contact with the sample liquid Two identical sample vials must be taken for each sample 	Haloforms & Chlorinated Hydrocarbons. THM, Benzene, BTEX/MTBE Two full vials are required VOC screens Two full vials are required Epichlorohydrin One full vial is required Vinyl Chloride Two full vials are required LC-QTOF Screen Two full vials are required
ALS 058 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE BLACK YES PTFE 195 70 12 MONTHS TOP N/A	0.9ml of 10mg/l Sodium Thiosulphate SDS 8	<ul style="list-style-type: none"> The bottles are date stamped and must be used by the expiry date shown Do not rinse 	Non-Polar Pesticides One full container is required Geosmin & MIB One full container is required Bromophenols One full container is required Acid Herbicides* One full container is required Metaldehyde* One full container is required Microcystin* One full container is required Acrylamide* One full container is required required * Please note only 1 bottle is required for any combinations of these * tests




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ALS 060 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE BLACK YES PTFE 110 46 12 MONTHS TOP N/A	0.1 ml of 3% (w/v) Ascorbic Acid solution Non-Hazardous SDS 16	<ul style="list-style-type: none"> Do not rinse The bottles are date stamped and must be used by the expiry date shown 	Combined Pests One full container is required Chloro Phenols One full container is required
STL 061 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE BLACK YES PTFE 110 46 - TOP N/A	None		Chlorate, Chlorite, Bromate, Bromide One full container is required Free & Total Chlorine One full container is required
STL 70 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	POT RED NO 70 35 - 6 TOP N/A	0.2ml of 50% (v/v) Hydrochloric Acid solution SDS 10 	<ul style="list-style-type: none"> The bottles are date stamped and must be used by the expiry date shown Do not rinse 	Monohydric Phenols One full container is required YWS bottle code: PHENLS_BOT



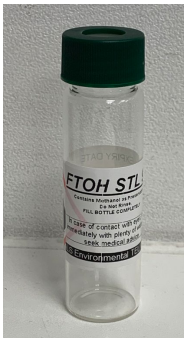

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STL 71 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	POT WHITE NO 70 35 - 6 TOP YES	3ml of 1M Sodium Hydroxide solution SDS 2 	<ul style="list-style-type: none"> The bottles are date stamped and must be used by the expiry date shown Do not rinse 	Total and Free Cyanide One full container is required YWS bottle code: CN_BOTTLE
STL 72 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	VIAL GREEN SEPTA 100 28 - - TOP YES	None	<ul style="list-style-type: none"> Do not rinse Ensure no headspace or air bubbles Ensure that the seal is correctly in place inside the lid with the PTFE coated side in contact with the sample liquid 	Waste Methane Two full vial are required Heptane and Methyl Acetate One full vial is required <i>Subcontracted</i> CIP3 LCMS One full container is required
STL 78 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	JAR WHITE FOAM 103 80 - - SHOULDER N/A	None		SVOC, EH, PCB, Pesticides One full container is required Mineral Oil Solids One full container is required YWS bottle code: 250_BR_GLS





ALS WATERS CONTAINER GUIDE

BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 79 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	VIAL WHITE SEPTA 100 28 - - TOP YES	None	<ul style="list-style-type: none"> Do not rinse Ensure no headspace or air bubbles Ensure that the seal is correctly in place inside the lid with the PTFE coated side in contact with the sample liquid 	Pyridine analysis One full container is required
STL 80 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE NO 260 120 90 - TOP N/A	None		Inorganics One full container is required <i>Subcontracted</i>
STL 81 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	CONTAINER WHITE NO - - LID N/A	None	<ul style="list-style-type: none"> If sample contains large stones, please fill two sample pots 	Inorganics, Metals, PAH One full container is required




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BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 83 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE PE FOAM 185 90 75 - SHOULDER YES	None	<ul style="list-style-type: none"> This sample must be taken first without prior flushing Do not take this sample from an outside tap or from outbuildings, garages etc. Do not take this sample from a distribution kiosk 	Overnight/RDT One full container is required Lead, Copper, Zinc, Nickel One full container is required
STL 90 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	VIAL WHITE PTFE 100 28 - - TOP YES	None	<ul style="list-style-type: none"> Two identical sample vials must be taken for each sample 	PAH Two full vials are required SVOCs Two full vials are required CIP Triclosan & Diclofenac Two full vials are required Bisphenol A Two full vials are required CIP Bisphenol A Two full vials are required
STL 92 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	VIAL GREEN SEPTA 100 28 - 2 years TOP YES	2ml of Ultra-Resi analysed Methanol SDS 28 	<ul style="list-style-type: none"> The vials are date stamped and must be used by the expiry date shown Do not rinse Ensure no headspace or air bubbles Ensure that the seal is correctly in place inside the lid with the PTFE coated side in contact with the sample liquid Two identical sample vials must be taken for each sample 	FTOH Two full vials are required







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BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 97 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE PE 115 45 - 6 SHOULDER N/A	4.0ml of 50% (v/v) Hydrochloric Acid solution SDS 10 	<ul style="list-style-type: none"> Do not rinse 	Ferrous/Ferric Iron One full container is required
VWRI331-0074 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE BLUE PE FOAM 260 80 - 14 SHOULDER YES	0.69ml of 3.5% (w/v) Sodium Thiosulphate solution. Equivalent to 0.1ml of 1.8% (w/v) Na Thio per 100ml. Gamma Irradiated SDS 8	<ul style="list-style-type: none"> This sample should be taken after chemical samples following local procedures The bottles are date stamped and must be used by the expiry date shown Do not rinse 	Bacterial Analysis of Potable Water Samples One full container is required ALS Wakefield use only
STL 101 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE NO 185 65 65 - TOP YES	None		Physicals and Inorganic Analysis – Peerless system One full container is required Suspended Solids/TDS One full container is required General Inorganics - One full container is required Dissolved Metals One full container is required Filtered Metals One full container is required CIP Exactive Suite One full container is required


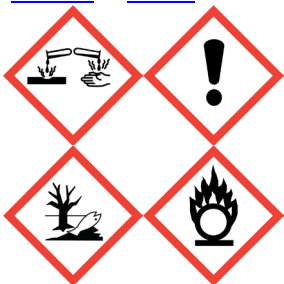

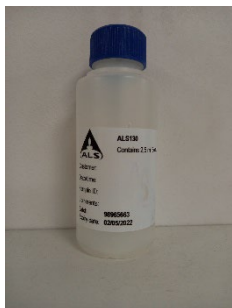

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BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 102 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE NO 240 75 75 - TOP N/A	None		Waste Inorganics analysis, General Inorganics, Metals (excluding Mercury analysis) One full container is required YWS bottle code: 1LITR_PET
STL 103 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE BLUE PE FOAM 202 66 - - TOP YES	None	<ul style="list-style-type: none"> Bacterial analysis also required (refer to bottle type STL19 and STL 30) Ensure there is no headspace 	Taste and Odour Quantitative and Qualitative determination Two full containers are required
STL 105 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE RED NO 144 53 53 - TOP YES	None		Tritium One full container is required <i>Subcontracted bottle</i> Glyphosate and AMPA <i>Subcontracted bottle</i>




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BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 113 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE CLEAR 146 62 62 12 NECK YES	40mls of Ultra-Resi analysed Acetonitrile SDS 23 		CIP Pharmaceuticals Suite 2 One full container is required
STL 112 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE BLACK 195 70 - 5 MONTHS NECK N/A	25ml of Ultra-Resi analysed Methanol SDS 28 	<ul style="list-style-type: none"> Use Stainless Steel sampling equipment 	BDE, PAH, TBT, Cypermethrin, HBCDD Two containers are required
STL 115 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE 108 45 - 52 WEEKS NECK N/A	0.5ml Hydrochloric Acid & 0.5ml Potassium Bromate- Bromide SDS 9 	<ul style="list-style-type: none"> Use Plastic sampling equipment Use Pump and Filter capsule for filtered sample 	Mercury Four full containers are required – two for Total and two for Filtered





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BOTTLE	DETAILS	PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS	
STL 116 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	GREEN /AMBER BOTTLE BLACK / WHITE 195 70 - 12 NECK YES	1.5ml of 30% Hydrochloric Acid & 0.125g Copper Nitrate SDS 21 & SDS 4 	Steroid Compounds One container is required	
STL 118 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE 79 39 - - SHOULDER N/A	None	<ul style="list-style-type: none"> Use Plastic sampling equipment Use 20ml syringe and 0.45µm filter disc for filtration 	Soluble Reactive Phosphate One full container of filtered sample is required
ALS 130 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE BLUE PE 115 45 - 6 TOP YES	2.5ml of 20% Sodium Hydroxide solution SDS 2 	<ul style="list-style-type: none"> The bottles are date stamped and must be used by the expiry date shown Do not rinse 	Total and Free Cyanide One full container is required



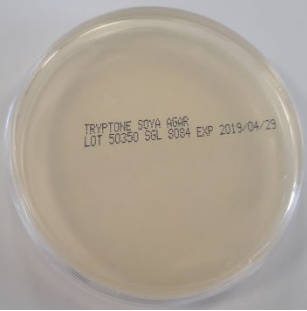
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BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 200 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE RED NO 140 70 - - TOP N/A	None	<ul style="list-style-type: none"> Carefully fill the bottle with sample with minimum aeration Place the stopper in the bottle to displace air and excess liquid, and then remove the stopper Replace the stopper avoiding inclusion of air bubbles 	Redox analysis One full container is required
STL 225 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE RED NO 160 70 50 14 SHOULDER YES	0.35ml of 3% (w/v) Sodium Thiosulphate solution. Equivalent to 0.1ml of 1.8% (w/v) Na Thio per 100ml Gamma Irradiated SDS 8	<ul style="list-style-type: none"> This sample should be taken after chemical samples following local procedures The bottles are date stamped and must be used by the expiry date shown Do not rinse 	Bacterial Analysis of Potable Water Samples One full container is required Bacterial Analysis of Raw Water Samples One full container is required Yorkshire Water only
STL 226 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE NO 215 70 50 14 SHOULDER YES	1.0ml of 3% (w/v) Sodium Thiosulphate solution. Equivalent to 0.1ml of 1.8% (w/v) Na Thio per 100ml Gamma Irradiated SDS 8	<ul style="list-style-type: none"> This sample should be taken after chemical samples following local procedures The bottles are date stamped and must be used by the expiry date shown Do not rinse 	Bacterial Analysis of Raw Water Samples One full container is required




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BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 241 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE BLACK PE 115 45 - 12 SHOULDER YES	2.5ml 50% Nitric acid and 0.6ml 1,000ppm Gold solution SDS 17 	<ul style="list-style-type: none"> Do not rinse The bottles are date stamped and must be used by the expiry date shown 	Total Mercury Analysis One full container is required
STL 305 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	SWAB NO NO 175 12 - - - YES	-	<ul style="list-style-type: none"> Check expiry date before use Take swab sample before cleaning tap Swab the inside of the tap using the tip Place swab in tube 	Identification of Bacteriological contamination of Taps One full container is required
STL 315 Certified endotoxin free to levels <0.01EU/m. 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	Tube YES NO 94 31 - - N/A - TOP YES	-	<ul style="list-style-type: none"> Aseptic Sampling technique should be used Samples should be sent to the laboratory as soon as possible after sampling 	Endotoxins ONLY

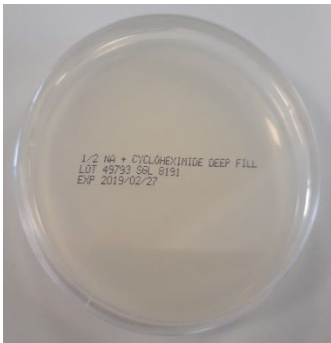

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BOTTLE	DETAILS	PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 325 	55mm TSA contact plate [product code: 103073]	-	<ul style="list-style-type: none"> Contact Plate or air sampler plate 	TVC
STL 326 	55mm MEA contact plate [product code: 103101]	-	<ul style="list-style-type: none"> Contact plate or air sampler plate 	Yeasts & Moulds
STL 327 	90mm TSA plate [product code: 8084]	-	<ul style="list-style-type: none"> Settle plate 	TVC




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BOTTLE	DETAILS	PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 328 	90mm RBA plate [product code: 8080]	-	<ul style="list-style-type: none"> Settle plate 	Yeasts & Moulds
STL 329 	90mm 40ml MEA plate [product code: 8192]	-	<ul style="list-style-type: none"> Andersen sampler plate 	Aspergillus fumigatus Total fungi One plate will cover both tests
STL 331 	90mm 40ml VRBGA plate [product code: 8198]	-	<ul style="list-style-type: none"> Andersen sampler plate 	Gram negative bacteria



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BOTTLE	DETAILS	PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
<p>STL 332</p> 	<p>90mm 40ml 1/2 NA plate [product code: 8191]</p>	<p>-</p>	<ul style="list-style-type: none"> Andersen sampler plate 	<p>Total mesophilic bacteria</p>
<p>STL 333</p> 	<p>90mm GVPC Culture Plate. [Product code: 8068]</p>	<p>-</p>	<ul style="list-style-type: none"> Settle plate 	<p>Legionella</p>





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BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 430 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE PTFE 146 60 - 6 TOP YES	Contains 250µl 10% (w/v) Ammonium Chloride Solution SDS 3 	<ul style="list-style-type: none"> Do not rinse The bottles are date stamped and must be used by the expiry date shown 	Haloacetic Acid and Dalapon Analysis One full container is required
STL 436 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	XPRESS NO NO - - - - - N/A	None	<ul style="list-style-type: none"> Place filter module into housing if not supplied Attach pump to housing Filter water or place housing in sampling cabinet After sampling, for transport to the laboratory, place filter in a plastic bag that is contained in a STL 81 or similar container 	Cryptosporidium/Giardia Clean Samples




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BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 436 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	FMAX NO NO - - - - - N/A	None	<ul style="list-style-type: none"> Place filter module into housing if not supplied Attach pump to housing Filter water or place housing in sampling cabinet After sampling, for transport to the laboratory, place filter in a plastic bag that is contained in a STL 81 or similar container 	Cryptosporidium/Giardia Clean & Raw Samples
STL 465 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE PTFE 145 58 - 6 TOP YES	0.75ml 1% Sodium Thiosulphate solution SDS 8	<ul style="list-style-type: none"> The bottles are date stamped and must be used by the expiry date shown Do not rinse 	Low Level Phenols One full container is required Benzotriazole & Tolytriazole One full container is required

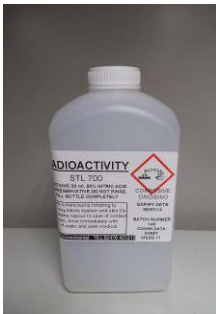



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BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 470 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	JAR WHITE FOAM 103 80 - 36 SHOULDER N/A	150ml Methanol Water (60:40 Methanol to Water solution) SDS 14 	<ul style="list-style-type: none"> Do not rinse Avoid any loss of preservative 	Speciated Phenols 50g of sample is required
STL 480 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	POT BLUE NO 70 35 - 6 TOP YES	1ml of 0.75M Sodium Carbonate solution & 1ml of 0.5M Zinc Acetate solution Sulphide Sampling Instructions SDS 12 & SDS 13 	<ul style="list-style-type: none"> Carefully place the sample into the 60ml pot with minimum aeration until it is almost full Add 1ml Sodium Carbonate (0.75M) and mix Then add 1ml Zinc Acetate (0.5M) and mix again. The bottles are date stamped and must be used by the expiry date shown Use Plastic sampling equipment (CIP3) 	Sulphide One full container is required YWS bottle code: S2_BOTTLE YW bottles are known as STL27 and are white with blue lid

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BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 555 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE BLACK PTFE 255 81 - 12 MONTHS TOP YES	1.15ml of 14% (w/v) Sodium Thiosulphate Pentahydrate solution SDS 8	<ul style="list-style-type: none"> Do not rinse The bottles are date stamped and must be used by the expiry date shown 	Organics Polyaromatic Hydrocarbons (PAH) analysis Two full containers are required
STL 650 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE 104 50 - - SHOULDER N/A	1.0ml of 15% Sulphuric Acid SDS 15 	Do not rinse <ul style="list-style-type: none"> The bottles are date stamped and must be used by the expiry date shown 	Kjeldahl Nitrogen analysis One full container is required

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BOTTLE	DETAILS		PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 700 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE PE FOAM 185 90 75 6 SHOULDER YES	20ml of 50% Nitric Acid solution SDS 11 	<ul style="list-style-type: none"> Do not rinse The bottles are date stamped and must be used by the expiry date shown 	Radioactivity, Radioactive determinands One full container is required. Two containers to be taken if repeats are required
STL 701 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	BOTTLE WHITE NO 240 75 75 6 TOP N/A	40mg Ascorbic Acid Non-Hazardous SDS 16		NDMA Analysis Two full containers are required
STL 085 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE (mth) FILL LEVEL REFRIGERATE?	AMBER JAR BLACK Yes 6 TOP N/A	None		Volatile Organics One full container is required

BOTTLE	DETAILS	PRESERVATIVE	SAMPLING TECHNIQUE	ANALYSIS
STL 807 	TYPE LID LINER HEIGHT (mm) WIDTH (mm) DEPTH (mm) SHELF LIFE FILL LEVEL REFRIGERATE?	TUBE YELLOW NO 120 25 - 5 years TOP YES SDS 2 	<ul style="list-style-type: none"> • The bottles are date stamped and must be used by the expiry date shown. • Do not rinse • Refrigerate sample 	Total and Free Cyanide One full container is required Supplied by NWSS Analysis subcontracted to NWSS

Terminology & Definitions	
Full Container	The container or bottle should be full so far as practicable. However, the presence of a bubble or small headspace will not impact upon the validity of the results
No headspace	The container or bottle be must be full to the brim avoiding the presence of any headspace in the bottle. However, the chance of small bubbles within the bottle will not impact upon the validity of the results
No headspace or air bubbles	The container or bottle be must be full to the brim avoiding the presence of any headspace or any bubbles within the bottle.