

# SCIENTIFIC SERVICES CUSTOMER SAMPLE BOTTLE GUIDE

Clean Water Sampling Bottles

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ALGAL\_TOX

**Description: -**

1 Litre Glass Duran Bottle (labelled) - Red Capped

Treated: - No

Associated Tests: -

Algal Toxins, TOX\_INTRA, TOX\_EXTRA

**Directions for Use: -**

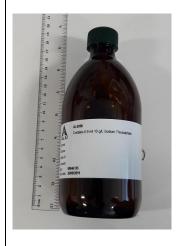
Fill completely,

Do Not Rinse

Bottles are date stamped and must be used by the expiry date

Refrigerate sample once taken

**Deliver to Lab Within: -** 48 hours



ALS058

**Description: -**

500ml Amber bottle with green lid.

**Treated: - Yes** 

0.9ml 10g/l Sodium Thiosulphate.

**Associated Tests: -**

Acrylamide

**SUBGEOSMIB** 

**Directions for Use: -**

Do not rinse before filling
Fill to top without over flowing
Attach the cap securely without over tightening
Shake to mix with preservative
Refrigerate sample once taken



**AMBR1000** 

**Description: -**

1000ml Amber Glass Duran Bottle – Blue Capped

**Treated: - Yes** 

Copper Nitrate

**Associated Tests: -**

PAH\_CIP, PAH\_GCMS, PBDE, STEROID and TRICLOSAN in Raw Water ONLY.

**Directions for Use: -**

Fill to 11 glass ridge only – Do not fill completely. Refrigerate sample once taken

**Deliver to Lab Within: -** 72 hours



ANION

**Description: -**

150ml Amber Glass Bottle - White Cap

**Treated: - Yes** 

Ethylenediamine

**Associated Tests: -**

Bromate, Bromide, Chlorate, Chlorite, Fluoride & Perchlorate

**Directions for Use: -**

Do not use if 'Sample By' date has been exceeded Fill completely, Do Not Rinse Refrigerate sample once taken



AOC/ATP

**Description: -**

250ml Round Clear Plastic Bottle - Blue Capped

Treated: - Yes

Pre-dosed with Thiosulphate

Associated Tests: - AOC and ATP analysis

**Directions for Use: -**

Fill to below the cap - do not completely fill.

Do not put the cap down and keep fingers clear of the neck and inside of the cap. Attach the cap securely without over tightening.

Refrigerate sample once taken

**Deliver to Lab Within: - 24Hrs** 



ASCORB\_250

**Description: -**

250ml Amber Glass Duran Bottle - Red Capped

Treated: - Yes

120uL of 10% Ascorbic Acid

Associated Tests: -

PEST\_GCMS

**Directions for Use: -**

Fill completely

Do Not Rinse

Bottles are date stamped and must be used by the expiry date

Refrigerate sample once taken



#### **BIOLOGY**

**Description: -**

1 Litre Green Plastic Bottle - White Capped

Treated: - No

Associated Tests: -

Algal Identification, Chlorophyll A & Microscopy

**Directions for Use: -**

Fill completely Refrigerate sample once taken

**Deliver to Lab Within: -** 72 hours



### **CHEM\_250**

**Description: -**

250ml Square Clear Plastic - Blue Capped

Treated: - No

**Associated Tests: -**

Alkalinity, Ammonium, Chloride, Nitrate, Nitrite, Soluble Reactive Phosphate, TOC, TOCSOL & UV

**Directions for Use: -**

Fill completely Refrigerate sample once taken



**CHEM\_500** 

**Description: -**

500ml Square Clear Plastic Bottle - Blue Capped

Treated: - No

**Associated Tests: -**

Appearance, Conductivity, pH, Redox Potential, Turbidity, Colour

**Directions for Use: -**

Fill completely Refrigerate sample once taken

**Deliver to Lab Within: -** 72 hours



CHEM\_STD

**Description: -**

1 Litre Square Plastic Bottle - White Capped

Treated: - No

**Associated Tests: -**

BOD, COD, Dissolved Oxygen, Kjeldahl Nitrogen, Permanganate Index, Suspended Solids, Total Solids, Total Dissolved Solids, Volatile Solids

**Directions for Use: -**

Fill completely Refrigerate sample once taken



CLEAN\_TPH

**Description: -**

1000ml Glass Duran Bottle - Red Capped

Treated: - No

**Associated Tests: -**

TPH\_GCFIDC

Directions for Use: -

Fill to 1L glass ridge only. **Do Not** fill completely Refrigerate sample once taken

**Deliver to Lab Within: -** 72 hours



**CUNO** 

**Description: -**

Cuno Filter

**Treated: - No** 

**Associated Tests: -**

Cryptosporidium

**Directions for Use: -**

Seal filter within a sealed plastic bag Refrigerate sample once taken



#### **CYANIDE**

**Description: -**

250ml White Plastic Bottle - White Capped

**Treated: - Yes** 

Sodium Hydroxide & Sodium Thiosulphate

**Associated Tests: -**

Total Cyanide

Directions for Use: -

Fill completely, Do Not Rinse Bottles are date stamped and must be used by the expiry date Refrigerate sample once taken

**Deliver to Lab Within: -** 72 hours



### DETERGENTS

**Description: -**

500ml Square Clear Plastic Bottle - Blue Capped

Treated: - No

Associated Tests: -

Anionic Detergents

**Directions for Use: -**

Fill completely Refrigerate sample once taken



#### DIP

### **Description: -**

500ml Glass Duran Bottle - Blue Capped

Zip tied neck

Treated: - Yes

Sodium Thiosulphate.

**Associated Tests:** - Coliforms, E. Coli, Faecal Strep, Clostridia perfringens, 22°C Plate Counts, 37°C Plate Counts and Bacterial Flow Cytometry

**Directions for Use: -**

Do not rinse before filling Fill to base of neck Refrigerate sample once taken

**Deliver to Lab Within: -** 24 hours



#### **EPA** (1-9)

**Description:** - 40ml Amber Glass Vial – Blue Capped

**Treated: - Yes** 

Sodium Thiosulphate

**Associated Tests: -**

 $EPA = PEST_POS01$ 

EPA 1 = THM's

EPA 2 = VOC's & VOC's Scan

EPA 3 = Alcohols

EPA 4 = Furfural

EPA 5 = PEST03

 $EPA 6 = PEST_02$ 

EPA  $7 = LC_TOX$ 

EPA 9 = RADON

#### **Directions for Use: -**

Fill to top allow overflowing ensuring no headspace or air bubbles remain after filling. Attach the cap securely. Bottles are date stamped and must be used by the expiry date. Refrigerate sample once taken



### **GENERA**

**Description: -**

Sealed Plastic Housing with Filter

Treated: - No

**Associated Tests: -**

Cryptosporidium

**Directions for Use: -**

Seal filter within a sealed plastic bag Refrigerate sample once taken

**Deliver to Lab Within: -** 24 hours



### GLASSHG

**Description: -**

50ml Plastic Centrifuge Tube - Yellow Capped

**Treated: - Yes** 

Nitric Acid & Gold Solution

**Associated Tests: -**

Mercury

**Directions for Use: -**

Fill completely, Do Not Rinse Bottles are date stamped and must be used by the expiry date



### HAA9

#### **Description: -**

40ml amber vial with white lid.

Treated: - Yes

12ul of 10% Ammonium Chloride and 40ul of 99% Formic Acid

**Associated Tests: -**

HAA9

**Directions for Use: -**

Do not rinse before filling Fill to top without over flowing Attach the cap securely without over tightening. Refrigerate sample once taken

**Deliver to Lab Within: -** 72 hours



### ICP\_SCAN

**Description: -**

125ml Opaque Plastic Bottle - Neutral Capped

Treated: - No

**Associated Tests: -**

Screening test for metal analysis. Note: bottle can be used for all matrices.

**Directions for Use: -**

Fill completely



#### LEG1

**Description: -**

1 Litre Green Plastic Sterile (labelled) Bottle – Blue Capped

**Treated: - Yes** 

Sodium Thiosulphate

**Associated Tests: -**

Legionella

**Directions for Use: -**

Fill completely, Do Not Rinse Bottles are date stamped and must be used by the expiry date **Do Not** Refrigerate Keep sample out of direct sunlight

**Deliver to Lab Within: -** 24 hours



### LGE\_VOLUME

**Description: -**

5 Litre Plastic Jerry Can – White Capped

Treated: - No

**Associated Tests: -**

Gross Alpha/Beta & Tritium

**Directions for Use: -**

Rinse before filling. Fill to top without overflowing. Refrigerate sample once taken



MET\_ANI

**Description: -**

125ml Opaque Plastic Bottle - Black Capped

Treated: - No

**Associated Tests: -**

Total Calcium, Magnesium, Sodium, Boron, Barium, Sulphate

**Directions for Use: -**

Fill completely

**Deliver to Lab Within: -** 48 hours



METALS

**Description: -**

125ml Opaque Plastic Bottle - Neutral Capped

Treated: - No

**Associated Tests: -**

Aluminium, Iron, Manganese.

**Directions for Use: -**

Fill completely



### METALS\_DIS

**Description: -**

250ml Square Clear Plastic Bottle - Blue Capped

Treated: - No

Associated Tests: -

Dissolved tests for Aluminium, Copper, Iron, Lead, Manganese, Zinc, Arsenic, Antimony, Cadmium, Chromium, Nickel, Selenium, Phosphorous, Sulphate, Calcium, Magnesium, Potassium, Sodium, Barium, Boron & Mercury

**Directions for Use: -**

Fill completely

**Deliver to Lab Within: -** 48 hours



### MET\_LITRE

**Description: -**

1L Opaque Plastic Bottle - Neutral Capped

Treated: - No

**Associated Tests: -**

Copper, Lead, Zinc, Arsenic, Antimony, Cadmium, Chromium, Nickel, Selenium, Phosphorous and Uranium

**Directions for Use: -**

Fill to 1 litre mark



#### **MICROT**

**Description: -**

500ml Clear Plastic Sterile (labelled) Bottle – Blue Capped

Treated: - Yes

Sodium Thiosulphate

**Associated Tests: -**

Coliforms, E.coli, Faecal Strep, Clostridia perfringens, 22°C Plate Counts, 37°C Plate Counts & Pseudomonas aeruginosa, and Bacterial Flow Cytometry

**Directions for Use: -**

Fill to base of neck

Do Not Rinse

Bottles are date stamped and must be used by the expiry date

Refrigerate sample once taken

**Deliver to Lab Within: - 24 hours** 



### MICROT\_NP

**Description: -**

500ml Clear Plastic Sterile (labelled) Bottle – Red Capped

Treated: - Yes - Sodium Thiosulphate

**Associated Tests: -**

Coliforms, E. coli, Faecal Strep, Clostridia perfringens, 22°C Plate Counts, 37°C Plate Counts & Pseudomonas aeruginosa, Bacterial Flow Cytometry and Somatic Coliphages

**Directions for Use: -**

Fill to base of neck,

Do Not Rinse

Bottles are date stamped and must be used by the expiry date

Refrigerate sample once taken



#### NOM\_3L

### **Description: -**

3 litre plastic bottle with blue lid.

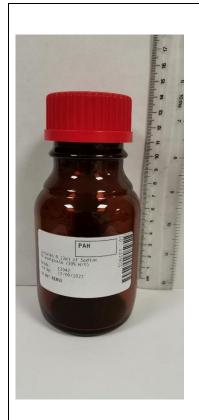
#### Untreated

#### **Associated Tests:**

NOM THM\_FP HAA\_FP SUVA

#### **Directions for Use:**

Do not rinse before filling Fill to top without overflowing Attach the cap securely without over tightening. Refrigerate sample once taken



#### **PAH**

#### **Description: -**

250ml Amber Glass Duran Bottle - Red Capped

Treated: - Yes

Sodium Thiosulphate

#### Associated Tests: -

PAH = PAH

 $PAH-1 = GEOS\_MIB$ 

 $PAH-2 = BPA\_REG$ 

#### **Directions for Use: -**

Fill completely

Do Not Rinse

Bottles are date stamped and must be used by the expiry date

Refrigerate sample once taken



#### **PATHBOTTLE**

**Description: -**

1 Litre Green Plastic Sterile (labelled) Bottle -Blue Capped

Treated: - No

**Associated Tests: -**

Salmonella

**Directions for Use: -**

Fill completely

Do Not Rinse

Bottles are date stamped and must be used by the expiry date

If for Salmonella – Refrigerate sample once taken

Keep sample out of direct sunlight

Deliver to Lab Within: - 24 hours



#### PEST500 / PHENOL

Description: -

500ml Glass Duran Bottle - Red Capped

Treated: -Yes

Sodium Thiosulphate

Associated Tests: -

Intra and Extracellular Microcystin (TOX\_INTRA, TOX\_EXTRA, TOX\_TOTAL) GCMS\_SCAN & Phenols

**Directions for Use: -**

Fill completely

Do Not Rinse

Bottles are date stamped and must be used by the expiry date

Refrigerate sample once take



PEST STD

**Description: -**

1 Litre Glass Duran Bottle - Red Capped

**Treated: - Yes** 

Sodium Thiosulphate

Associated Tests: -

STEROID in potable water ONLY

**Directions for Use: -**

Fill completely

Do Not Rinse

Bottles are date stamped and must be used by the expiry date

Refrigerate sample once taken

**Deliver to Lab Within:** - 72 hours



### **PFAS**

**Description: -**

250ml Glass Duran Bottle - Red Capped

Treated: - Yes

Methanol and Sodium Thiosulphate

**Associated Tests: -**

PFAS\_TOTAL

Regulator components for Potable and Raw waters test

**Directions for Use: -**

Fill to 250mL glass ridge only. **Do Not** fill completely Refrigerate sample once taken



### **SILICA**

**Description: -**

250ml Square Clear Plastic bottle – White Capped

Treated: - No

**Associated Tests: -**

Silica (subcontracted)

**Directions for Use: -**

Fill completely Refrigerate sample once taken

**Deliver to Lab Within: -** 48 hours



#### **STL 13**

**Description: -**

1 Litre Square Plastic Bottle - White Capped

Treated: - No

**Associated Tests: - Subcontracted** 

COD, Suspended Solids, Phosphorus, SRP, Ammonia

**Directions for Use: -**

Fill completely

Refrigerate sample once taken



### **STL 22**

**Description: -**

250ml Amber Glass Bottle - White Capped

Treated: - No

**Associated Tests: -**

Chlorite

**Directions for Use: -**

Fill completely Refrigerate sample once taken

**Deliver to Lab Within: -** 48 hours



#### **STL 24**

**Description: -**

125ml Round, HDPE Azlon, White Top

Treated: - No

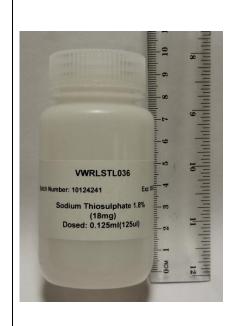
**Associated Tests: -**

PFAS\_TOTAL Uranium Silver

Total Metals (project specific)

Directions for Use: -

One full container is required Fill to top without over flowing Attach the cap securely without over tightening Refrigerate sample once taken (PFAS\_TOTAL)



#### **STL 36**

**Description: -**

White plastic bottle- Neutral Capped

**Treated: - Yes** 

Sodium Thiosulphate

**Associated Tests: -**

Chlormequat

**Directions for Use: -**

Fill completely

Refrigerate sample once taken

**Deliver to Lab Within: - 48 hours** 



### **STL-53**

**Description: -**

50ml Amber Glass Vial - Green Capped

**Treated: - Yes** 

Sodium Thiosulphate

Associated Tests: -

STL53 = Vinyl Chloride - <u>requires 2 full vials</u>

STL53-2 = ECH

**Directions for Use: -**

Do not rinse before filling Fill to top without over flowing Attach the cap securely without over tightening

Refrigerate sample once taken



#### **STL 101**

#### **Description: -**

500ml Square, Clear PET, White cap

Bottle type in LIMS shows STL101-1, STL101-2, ST101-3 different bottles are required for different tests.

Treated: - No

**Associated Tests: - Subcontracted** 

Dissolved Metals,

Alkalinity, Suspended Solids, pH, TOC, DOC, Colour, Turbidity, Conductivity. Total Dissolved Solids,

**Directions for Use: -**

Fill completely.

Refrigerate sample once taken

Deliver to Lab Within: - 24 hour



#### **STL 701**

**Description: -**

11 PET Bottle

Treated: - Yes

Ascorbic acid

**Associated Tests: - NDMA** 

**Directions for Use: -**

Fill completely, Do Not Rinse

Bottles are date stamped and must be used by the expiry date

Refrigerate sample once taken



#### **TASTE**

**Description: -**

1 Litre Square Clear Plastic (Date Stamped) – Blue Capped

**Treated: - Yes** 

Nitrogen Flushed

**Associated Tests: -**

Qualitative & Quantitative Taste and Odour

**Directions for Use: -**

Fill completely

Bottles are date stamped and must be used by the expiry date Refrigerate sample once taken

**Deliver to Lab Within: -** 48 hours



### WPE

**Description: -**

250ml Square Clear Plastic PET Bottle - Black Capped

Treated: - No

**Associated Tests: -**

SUB\_AN\_DET

**Directions for Use: -**

Fill completely

Refrigerate sample once taken



ZOG

**Description: -**

40ml Amber Glass Bottle - Black Capped

**Treated: - Yes** 

Contains Sodium Thiosulphate

Associated Tests: -

Glyphosphate + AMPA

**Directions for Use: -**

Fill completely Bottles are date stamped and must be used by the expiry date Refrigerate sample once taken

**Deliver to Lab Within: -** 72 hours

-----END OF CLEAN WATER BOTTLE LIST-----