Collecting a Drinking Water Monitoring Program CHEMISTRY Sample

Sample Containers

Use **two** containers:

- One polyethylene screw-capped bottle capable of holding at least 250mL water, and
- One 250mL polyethylene screw-capped bottle with added acid preservative (5mL Nitric Acid 35% w/w with 0.14mL Hydrochloric Acid 17.5% w/w) as supplied by FASS.

Caution: Acid Preservative for Metals in Water

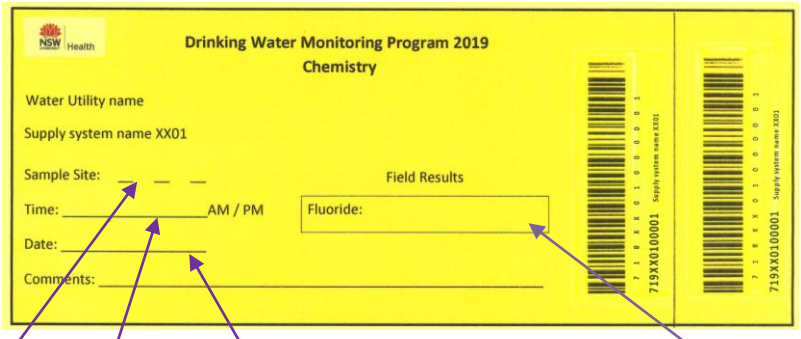
The acid preservative is corrosive. It can cause severe burns and eye damage and may cause respiratory irritation.

A Safety Data Sheet (SDS) is supplied with the acidified bottles. Read this SDS before using the bottles.

A Safe Work Practice (SWP) for handling the acidified bottles and collecting the sample is attached to these sampling instructions. Read the SWP before sampling.

Label

- Use a NSW Health barcoded label for the correct supply system, current year and sample type.



Allocated Chemistry sample

- Use a **yellow** label with a barcode beginning with **7**.
- Using an indelible pen record the **site code**, **time** and **date** of collection on the larger label.
- If the system is fluoridated conduct a fluoride test on a separate sample and record the **fluoride field result** on the label.
- Place the label evenly around the non-acidified sample bottle (not c the lid) so that the entire barcode can be scanned at the laboratory.
- Attach the smaller matching barcoded label to the acidified bottle.

Repeat and Additional Samples

- Repeat sample: use a **pink** label with a barcode starting with **6**. Additional sample: use a **blue** label with a barcode starting with **8**.
- Record the **site code**, **time and date** of collection and **fluoride field result** on the label.
- Place the label evenly around the non-acidified sample bottle.
- Record the supply system code (2 letters followed by 2 numbers), and the sampling date and time on a plain label and attach it to the acidified bottle.

T+61 2 9646-0222
F+61 2 9646-0333
www.pathology.health.nsw.gov.au
creating better health & justice systems

Forensic & Analytical Science Service
PO Box 162
Lidcombe, NSW 1825
ABN 49 382 586 535

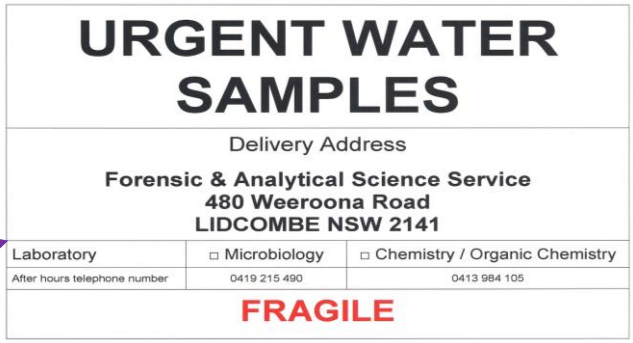
Authorised by: Santiago Vazquez Version:1.0 Dec-2018 ID: FRM-WP-12

Collecting the Sample

- Flush the lines for at least 3 minutes before collecting the samples.
- Fill the non-acidified bottle to the brim.
- For the acidified bottle:
  - **Do not** rinse the bottle prior to taking the sample.
  - Fill the bottle to the brim, taking care **not to overfill**. Avoid splashing.

Packaging the Samples as Dangerous Goods

- Place the non-reactive absorbent mat/material into an insulated cooler.
- Place the samples into the cooler with sufficient freezer bricks to keep the samples cool (≤6°C) during transport. Ensure the acidified samples are packed so that they remain upright in the cooler and are prevented from moving during transportation.
- Include a copy of the Safety Data Sheet in the cooler.
- Pack the cooler into a box strong enough to withstand conditions normally encountered during transport.
- Attach a copy of the FASS Address Label to the outside of the box.


URGENT WATER SAMPLES

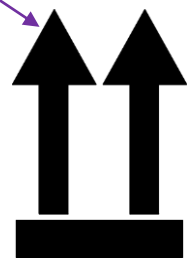
Delivery Address

Forensic & Analytical Science Service
480 Weeroona Road
LIDCOMBE NSW 2141

Laboratory	□ Microbiology	□ Chemistry / Organic Chemistry
After hours telephone number	0419 215 490	0413 984 105

FRAGILE

- Attach a “Dangerous Goods” (orange) sticker, a “Corrosive” sticker and a “This Way Up” sticker to the outside of the box.



- Complete a Dangerous Goods consignment form.
- Complete a Sender’s Declaration form for Dangerous Goods. The following information must be included:
  - Shipping name - Corrosive liquid, Acidic, Inorganic, NOS
  - Technical Name – Mixture of nitric acid and hydrochloric acid
  - UN Number – 3264
  - DG Class – 8
  - Packing Group – II
  - Sender’s full name address and telephone number
  - FASS address:

    480 Weeroona Rd,
    Lidcombe NSW 2141
- Dispatch the samples to FASS as soon as possible.