SAS LABORATORY

Sample Container and Preservation Requirements

WELCOME TO SAS LABORATORY

SAMPLE CONTAINER AND PRESERVATION REQUIREMENTS

SAS Laboratory is a National Association of Testing Authorities (NATA) accredited laboratory providing services in analytical chemistry, microbiology, sampling and consulting to a wide range of customers from the public and private sectors. SAS Laboratory has a wide range of capabilities and has been Brisbane's trusted laboratory for over 120 years.

Sample containers, eskies and ice bricks are available for collection from SAS Laboratory free of charge. Sample containers will be provided with labels and pre-dosed with preservatives where required. Alternatively sample containers can be freighted to customers with either Australia Post or a Courier service for an additional charge.

SAMPLING AND PRESERVATION

Care must be taken not to rinse out or spill preservatives during sampling to avoid cross-contamination and ensure sample integrity and data validity. Samples should be chilled to <8°C and transported to the laboratory for analysis as soon as practicable after sampling has occurred.

HEALTH AND SAFETY

Quantities of preservatives in sample containers are minimal in volume however SAS Laboratory recommends the use of appropriate personal protective equipment such as safety glasses and gloves whilst sampling. Material Safety Data Sheets (MSDS) for all preservatives and chemicals supplied can be provided on request.

HOLDING TIMES

SAS Laboratory holding times for all analyse have been indicated within this document. Ideally samples should be submitted to the laboratory with at least half of the recommended holding time remaining unless prior arrangements have been made. Samples received outside of the recommended holding time will attract a comment on the final report noting this non- compliance.

LIMITS OF REPORTING (LOR)

Standard limits of reporting (LOR) will be applied unless otherwise requested. If you require analysis to a specific limit of reporting or set of guidelines, this must be noted on the sample submission form upon receipt of your samples. Additional charges may apply to reduced limits of reporting where applicable.

SAMPLE DELIVERY

Samples are accepted in person, by post or by courier Monday to Friday between the hours of 8:30am and 4:00pm. SAS Laboratory has an outside hour's sample drop off facility which can be used for sample receipt outside these times via prior arrangement with the laboratory. Samples must be accompanied by a sample submission form which has been completed in its entirety.

ANALYTICAL RATES

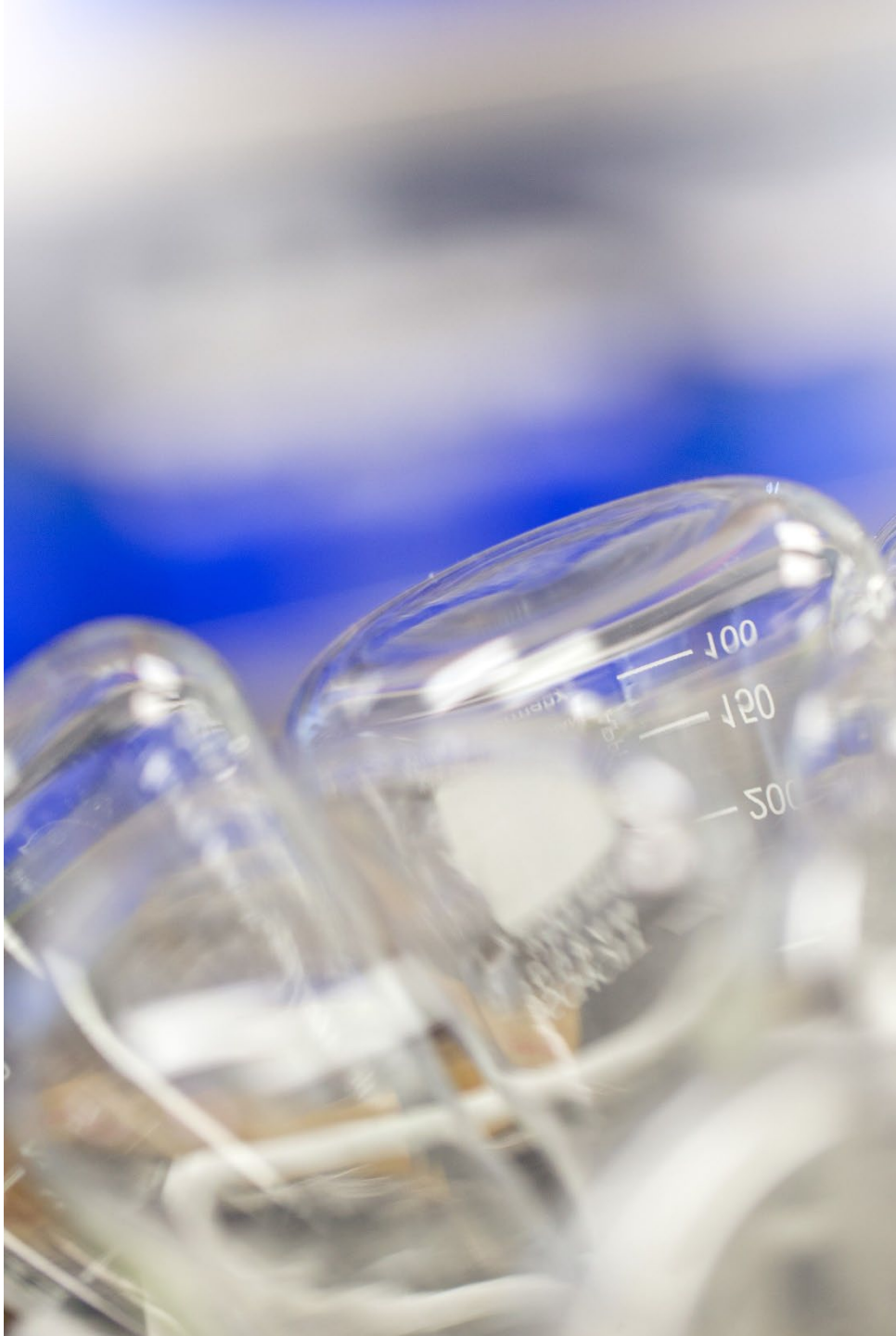
Project specific quotes and full sampling and analytical services pricelists are available on request. For further information please email your details and request to the Business Enablement team at: SASLAB@urbanutilities.com.au

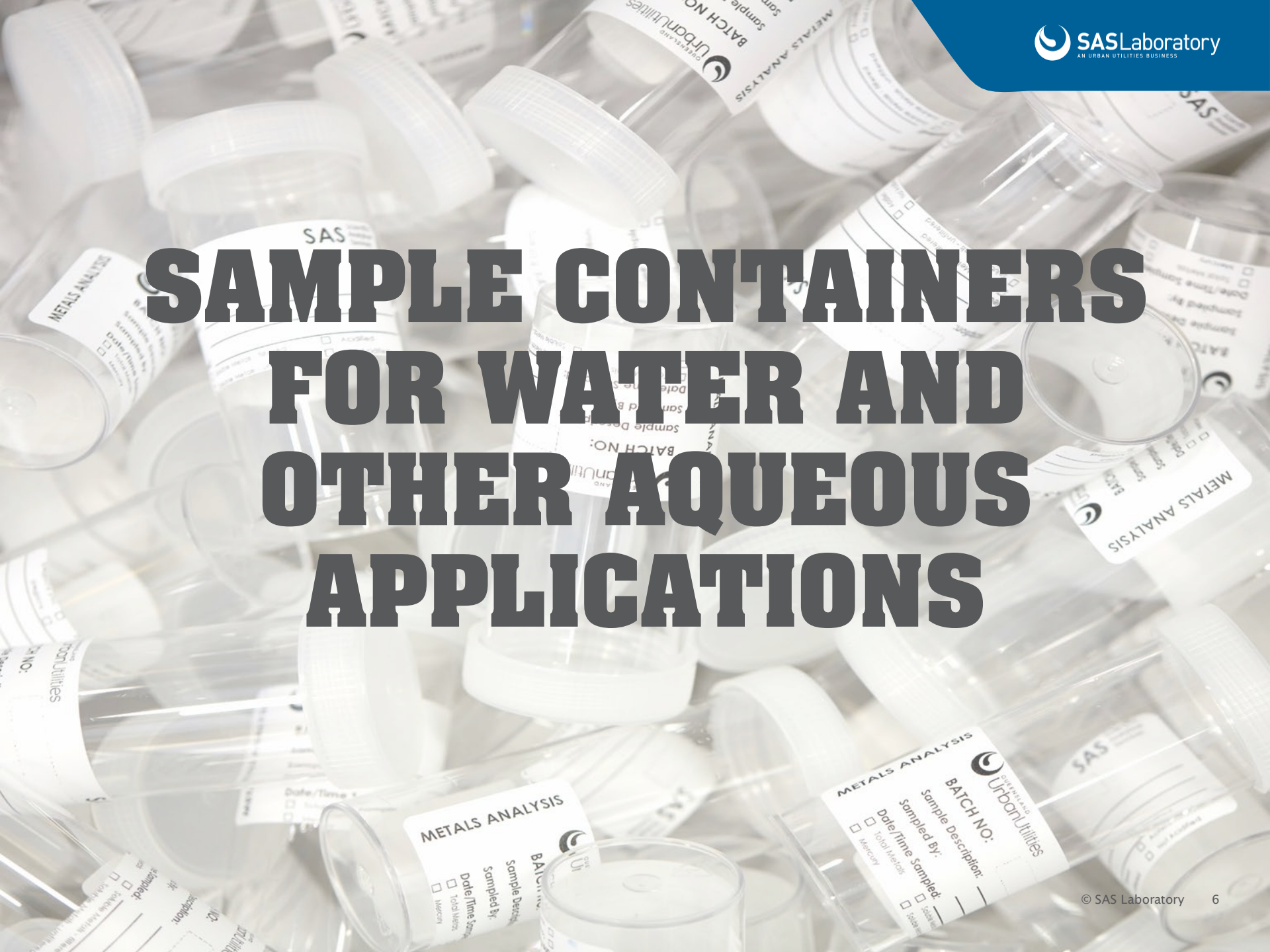
TURNAROUND TIMES

Standard turn-around time is 10 working days. Accelerated turn-around times may be possible depending on the required tests and the laboratory workload and must be organised prior to sample receipt. Surcharges for shorter turn-around times may apply. Standard turn-around times are for analyses performed using in-house methods only. Where SAS Laboratory subcontracts analysis to a third-party additional turn-around wait times are to be expected. For further details please speak to the Business Enablement team.

REPORTING AND INVOICING

Results will be provided by email in PDF format. Reporting in an excel spreadsheet is also available on request, if you require your results in an excel spreadsheet please make a note of this on your sample submission form. Invoices will be posted to the addresses provided on the sample submission form unless specified otherwise.





SAMPLE CONTAINERS FOR WATER AND OTHER AQUEOUS APPLICATIONS

SASLaboratory
AN URBAN UTILITIES BUSINESS

BATCH NUMBER:

DESCRIPTION:

SAMPLE DATE:

SAMPLE TIME:

GENERAL MICROBIOLOGY

THIS CONTAINER IS STERILE AND CONTAINS TRACE AMOUNTS OF NON HAZARDOUS SODIUM THIOSULPHATE PRESERVATIVE.
Sampling Instructions: DO NOT rinse or touch the inside of the sample container. Fill to the shoulder of the container and cap leaving an air gap.

MICROBIOLOGY

600mL STERILE PET

PRESERVATION:

Sodium Thiosulphate.

HOLDING TIME:

24 Hours.

ANALYTES:

General Microbiology.

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

DO NOT rinse or touch the inside of the sample container. Fill to the shoulder of the container and cap leaving an air gap.

STORAGE AND TRANSPORT:

Chill to <8ºC and transport in an upright position. **DO NOT** immerse in water or ice.

ADDITIONAL NOTES:

Depending on the number of analytes required multiple sample containers may be required. Please contact the Business Enablement Team for further clarification if required.

MICROBIOLOGY

250mL STERILE PET

PRESERVATION:

Sodium Thiosulphate.

HOLDING TIME:

24 Hours.

ANALYTES:

General Microbiology.

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

DO NOT rinse or touch the inside of the sample container. Fill to the shoulder of the container and cap leaving an air gap.

STORAGE AND TRANSPORT:

Chill to <8ºC and transport in an upright position. **DO NOT** immerse in water or ice.

ADDITIONAL NOTES:

Typically used for the sampling of showers, basins, ice or other scenarios where a wide mouth is required to facilitate sample collection.

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BATCH NUMBER:

DESCRIPTION:

SAMPLE DATE:

SAMPLE TIME:

GENERAL MICROBIOLOGY

THIS CONTAINER IS STERILE AND CONTAINS TRACE AMOUNTS OF NON HAZARDOUS SODIUM THIOSULPHATE PRESERVATIVE.

Sampling Instructions: DO NOT rinse or touch the inside of the sample container. Fill to the shoulder of the container and cap leaving an air gap.

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BATCH NUMBER:

DESCRIPTION:

SAMPLE DATE:

SAMPLE TIME:

Sampling Instructions: Fill to the shoulder of the container and cap leaving an air gap.

ALGAE AND CHLOROPYHLL

ALGAE & CHLOROPHYLL

1L BROWN PLASTIC

PRESERVATION:

Nil.

HOLDING TIMES:

48 Hours.

ANALYTES:

Algae Counts, Chlorophyll A and Chlorophyll Total.

QUANTITY REQUIRED:

One (1) per sample

SAMPLING INSTRUCTIONS:

Fill to the shoulder of the container and cap leaving an air gap.

STORAGE AND TRANSPORT:

Leave sample at ambient room temperature and transport in an upright position.

MIB/GEOSMIN

40mL GLASS VIALS

PRESERVATION:

Nil.

HOLDING TIMES:

Seven (7) Days.

ANALYTES:

Methyl-isoborneol (MIB) and Geosmin.

QUANTITY REQUIRED:

Two (2) per sample.

SAMPLING INSTRUCTIONS:

DO NOT rinse or overfill the sample container. Fill two (2) sample containers to the top lip of the sample container to form a meniscus, **cap ensuring there is no air bubble present**.

STORAGE AND TRANSPORT:

Chill to <8ºC and transport in an upright position. **DO NOT** immerse in water or ice.

ADDITIONAL NOTES:

Where analysis of these parameters is required these samples containers should be filled prior to all others.

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BATCH NUMBER:

DESCRIPTION:

SAMPLE DATE:

SAMPLE TIME:

MIB/GEOSMIN

Sampling Instructions: Fill two (2) sample containers to the top lip of the sample container to form a meniscus, cap ensuring there is no air bubble present. Where analysis of these parameters is required these samples containers should be filled prior to all others.

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BATCH NUMBER:

DESCRIPTION:

SAMPLE DATE:

SAMPLE TIME:

THIS CONTAINER IS STERILE AND CONTAINS TRACE AMOUNTS OF NON HAZARDOUS SODIUM THIOSULPHATE PRESERVATIVE. Sampling Instructions: DO NOT rinse or overfill the sample container. Fill two (2) sample containers to the top lip of the sample container to form a meniscus, cap ensuring there is no air bubble present.Containers should be filled prior to all others.

TRIHALOMETHANES (THM)

TRIHALOMETHANES

40mL GLASS VIALS

PRESERVATION:

Sodium Thiosulphate.

HOLDING TIMES:

48 Hours.

ANALYTES:

Bromoform, Bromodichloromethane, Chloroform and Dibromochloromethane.

QUANTITY REQUIRED:

Two (2) per sample.

SAMPLING INSTRUCTIONS:

DO NOT rinse or overfill the sample container. Fill two (2) sample containers to the top lip of the sample container to form a meniscus, **cap ensuring there is no air bubble present**.

STORAGE AND TRANSPORT:

Chill to <8ºC and transport in an upright position. DO NOT immerse in water or ice.

ADDITIONAL NOTES:

Where analysis of these parameters is required these samples containers should be filled prior to all others.

VOC

40mL GLASS VIALS

PRESERVATION:

Nil.

HOLDING TIMES:

48 Hours.

ANALYTES:

Total Recoverable Hydrocarbons (Volatile) (C6 – C9), Benzene, Toluene, Ethyl-Benzene, Xylene and Naphthalene.

QUANTITY REQUIRED:

Two (2) per sample.

SAMPLING INSTRUCTIONS:

DO NOT rinse or overfill the sample container. Fill two (2) sample containers to the top lip of the sample container to form a meniscus, **cap ensuring there is no air bubble present**.

STORAGE AND TRANSPORT:

Chill to <8°C and transport in an upright position. DO NOT immerse in water or ice.

ADDITIONAL NOTES:

Where analysis of these parameters is required these samples containers should be filled prior to all others.

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BATCH NUMBER:

DESCRIPTION:

SAMPLE DATE:

SAMPLE TIME:

Sampling Instructions: Fill two (2) sample containers to the top lip of the sample container to form a meniscus, cap ensuring there is no air bubble present. Where analysis of these parameters is required these samples containers should be filled prior to all others.

TRH (C6 - C9) AND BTEXN

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BATCH NUMBER:

DESCRIPTION:

SAMPLE DATE:

SAMPLE TIME:

Sampling Instructions: Fill two (2) sample containers to the top and cap leaving no air gap.

SEMI-VOLATILE ORGANICS

SEMI-VOLATILE ORGANICS

200mL AMBER GLASS

PRESERVATION:

Nil.

HOLDING TIMES:

Seven (7) Days.

ANALYTES:

TRH (C10 – C40), OC & OP Pesticides, Speciated Phenolics and PAH.

QUANTITY REQUIRED:

Two (2) per sample.

SAMPLING INSTRUCTIONS:

Fill two (2) sample containers to the top and cap **leaving no air gap**.

STORAGE AND TRANSPORT:

Chill to <8ºC and transport in an upright position. DO NOT immerse in water or ice.

ADDITIONAL NOTES:

Two (2) sample containers are typically required per analyte requested. Where multiple analytes are required please contact the laboratory to determine the exact number required.

HALOACETIC ACIDS

200mL AMBER GLASS

PRESERVATION:

Ammonium Chloride.

HOLDING TIMES:

Seven (7) Days.

ANALYTES:

Bromochloroacetic Acid, Dibromoacetic Acid, Dichloroacetic Acid, Monobromoacetic Acid, Monochloroacetic Acid and Trichloroacetic Acid.

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

DO NOT rinse or overfill sample container. Fill sample container to the top and cap leaving no air gap.

STORAGE AND TRANSPORT:

Chill to <8ºC and transport in an upright position. **DO NOT** immerse in water or ice.

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BATCH NUMBER:

DESCRIPTION:

SAMPLE DATE:

SAMPLE TIME:

THIS CONTAINER CONTAINS TRACE AMOUNTS OF AMMONIUM CHLORIDE WHICH IS AN IRRITANT TAKE CARE WHEN HANDLING. *Sampling Instructions: DO NOT rinse or overfill sample container. Fill sample container to the top and cap leaving no air gap.*

HALOACETIC ACIDS (HAA)

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BATCH NUMBER:

DESCRIPTION:

SAMPLE DATE:

SAMPLE TIME:

TOC/DOC/COD

Sampling Instructions: Fill sample container to the top and cap without leaving an air gap. If COD analysis is required please ensure the checkbox is marked.

COD

ORGANIC CARBON

200mL AMBER GLASS

PRESERVATION:

Nil.

HOLDING TIMES:

24 Hours.

ANALYTES:

Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC).

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

Fill sample container to the top and cap without leaving an air gap.

STORAGE AND TRANSPORT:

Chill to <8ºC and transport in an upright position. DO NOT immerse in water or ice.

ADDITIONAL NOTES:

Where a sample requires TOC, DOC and COD only a single (1) sample container is required per sample for all three (3) analytes.

CHEMICAL OXYGEN DEMAND

200mL AMBER GLASS

PRESERVATION:

Nil.

HOLDING TIMES:

24 Hours.

ANALYTES:

Total, Soluble, GFC Soluble and Flocculated Soluble Chemical Oxygen Demand (COD).

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

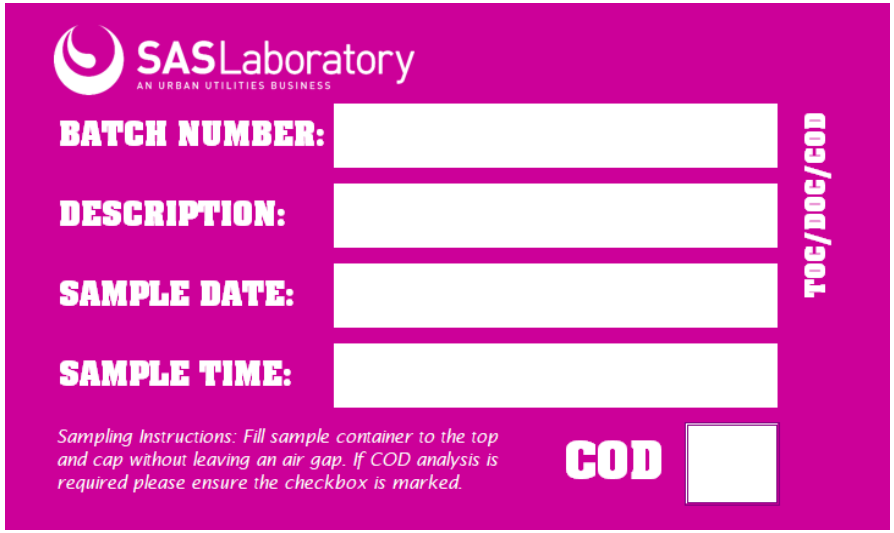
Fill sample container to the top and cap without leaving an air gap.

STORAGE AND TRANSPORT:

Chill to <8°C and transport in an upright position. DO NOT immerse in water or ice.

ADDITIONAL NOTES:

Where a sample requires TOC, DOC and COD only a single (1) sample container is required per sample for all three (3) analytes.



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BATCH NUMBER:

DESCRIPTION:

SAMPLE DATE:

SAMPLE TIME:

DISSOLVED OXYGEN (DO)

Sampling Instructions: Fill sample container to the top lip, slowly with sample container on an angle in order to minimise aeration. Insert glass stopper and seal with plastic cap.

DISSOLVED OXYGEN

300mL FOIL WRAPPED WHEATON

PRESERVATION:

Nil.

HOLDING TIMES:

24 Hours.

ANALYTES:

Dissolved Oxygen (DO)

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

Fill sample container to the top lip, slowly with sample container on an angle in order to minimise aeration. Insert glass stopper and seal with plastic cap.

STORAGE AND TRANSPORT:

Chill to <8°C and transport in an upright position. **DO NOT** immerse in water or ice.

OIL AND GREASE

WIDE MOUTH GLASS JAR

PRESERVATION:

None. Sample will be acidified on arrival at the laboratory.

HOLDING TIMES:

24 Hours (pre-preservation), 28 days once preserved.

ANALYTES:

Total Oil and Grease (TOG).

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

Fill to the shoulder of the jar and cap leaving an air gap.

STORAGE AND TRANSPORT:

Chill to <8°C and transport in an upright position. **DO NOT** immerse in water or ice.

ADDITIONAL NOTES:

Clean samples will require a greater volume of samples for analysis than dirty samples. Please speak to the Laboratory for assistance choosing sample container sizes.

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BATCH NUMBER:

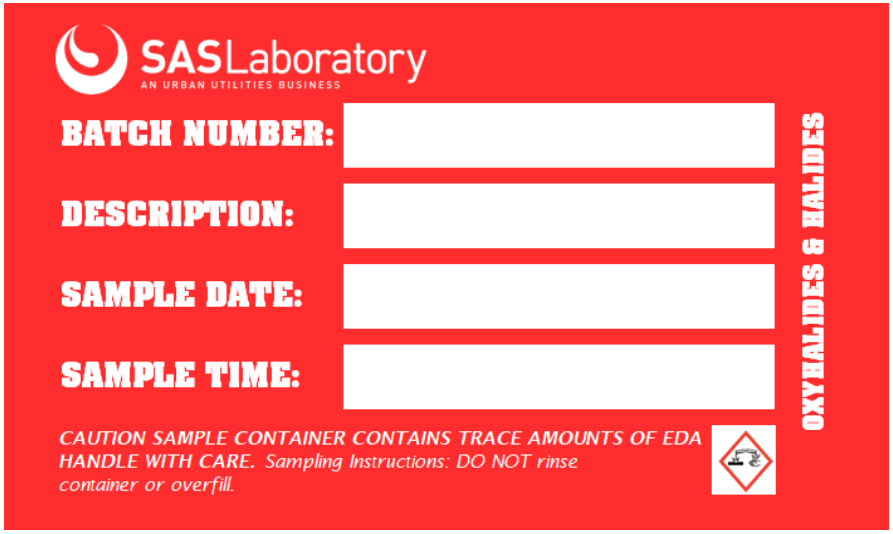
DESCRIPTION:

SAMPLE DATE:

SAMPLE TIME:

Sampling Instructions: Fill to the shoulder of the jar and cap leaving an air gap.

TOTAL OIL AND GREASE



OXYHALIDES

50mL HDPE PLASTIC

PRESERVATION:

Ethylenediamine (EDA). Samples containing high concentrations of hypochlorite should be diluted on receipt and stored in preserved bottles in a refrigerator until analysis.

HOLDING TIMES:

14 Days.

ANALYTES:

Bromate, Chlorate and Chlorite.

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

DO NOT rinse or overfill the sample container. Fill sample container to the top and cap without leaving an air gap.

STORAGE AND TRANSPORT:

Chill to <8°C and transport in an upright position. **DO NOT** immerse in water or ice.

FLUORIDE

50mL HDPE PLASTIC

PRESERVATION:

Nil.

HOLDING TIMES:

28 Days.

ANALYTES:

Fluoride by Ion Selective Electrode (ISE).

QUANTITY REQUIRED:

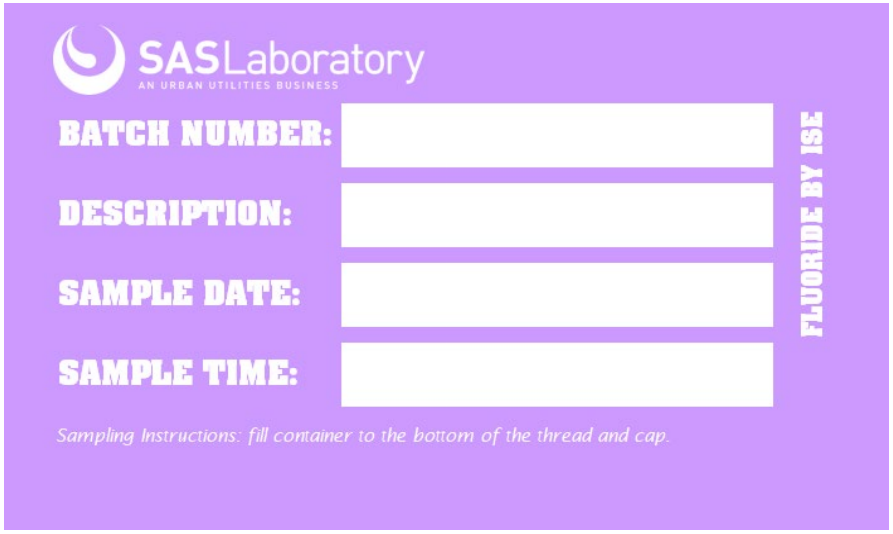
One (1) per analytical method required.

SAMPLING INSTRUCTIONS:

Fill container to the bottom of the thread and cap.

STORAGE AND TRANSPORT:

Chill to <8°C and transport in an upright position. **DO NOT** immerse in water or ice.



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BATCH NUMBER:

DESCRIPTION:

SAMPLE DATE:

SAMPLE TIME:

HEXAVALENT CHROMIUM

CAUTION SAMPLE CONTAINER CONTAINS TRACE AMOUNTS OF SODIUM HYDROXIDE HANDLE WITH CARE/. Sampling Instructions: DO NOT rinse container or overfill. Sample should be filtered through a 45µm filter prior to filling. Fill container to the bottom of the thread and carefully cap.

HEXAVALENT CHROMIUM (VI)

70mL PLASTIC (PP)

PRESERVATION:

Sodium Hydroxide (NaOH).

HOLDING TIMES:

28 Days.

ANALYTES:

Hexavalent Chromium (VI).

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

DO NOT rinse container or overfill. Sample should be filtered through a 45µm filter prior to filling. Fill container to the bottom of the thread and carefully cap.

STORAGE AND TRANSPORT:

Chill to <8°C and transport in an upright position. **DO NOT** immerse in water or ice.

NUTRIENTS

70mL PLASTIC (PP)

PRESERVATION:

Nil.

HOLDING TIMES:

24 Hours.

ANALYTES:

Chloride, Ammonia (NH_3), Nitrate (NO_3), Nitrite (NO_2), Nitrate + Nitrite (NO_X), Ortho Phosphorous (PO_4), Total Nitrogen (TN) and Total Phosphorous (TP).

QUANTITY REQUIRED:

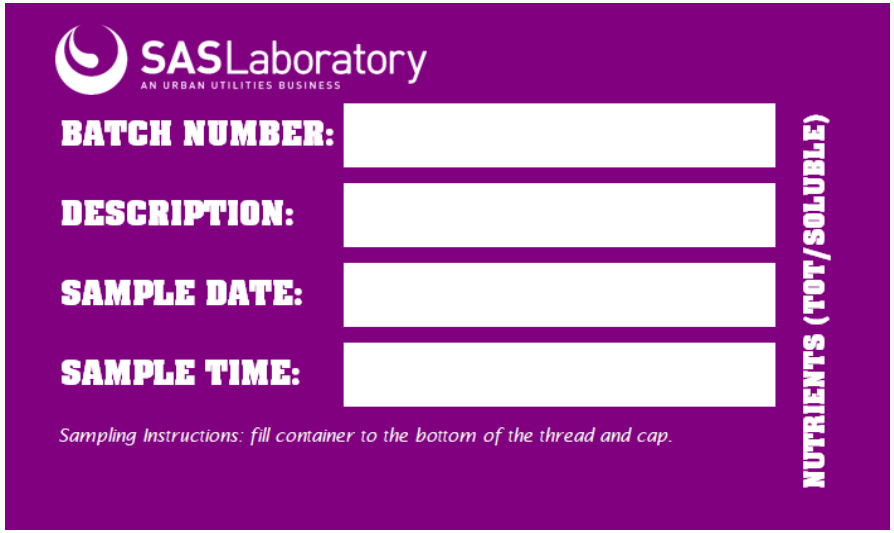
One (1) per sample.

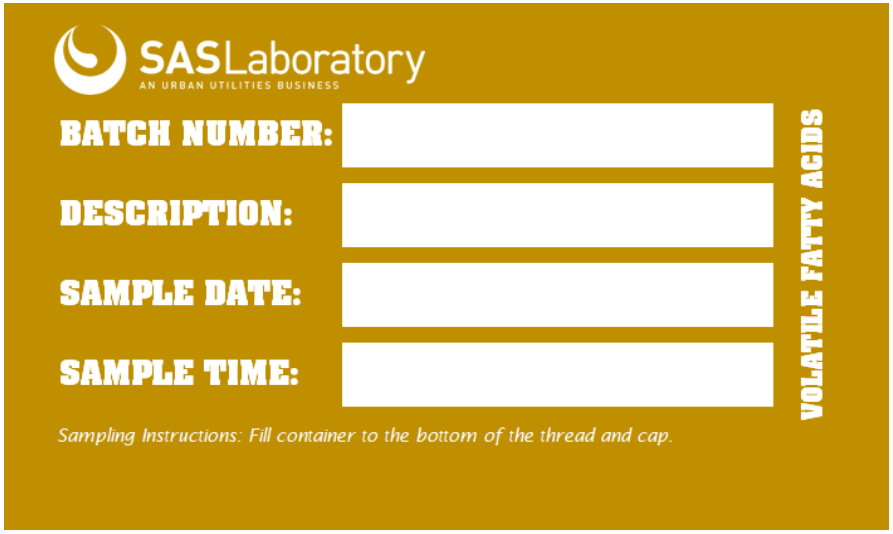
SAMPLING INSTRUCTIONS:

Fill container to the bottom of the thread and cap.

STORAGE AND TRANSPORT:

Chill to <8°C and transport in an upright position. **DO NOT** immerse in water or ice.





VOLATILE FATTY ACIDS

70mL PLASTIC (PP)

PRESERVATION:

Nil.

HOLDING TIMES:

24 Hours.

ANALYTES:

Acetic Acid, Propionic Acid, Iso-Butyric Acid, Iso-Valeric Acid and Valeric Acid.

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

Fill container to the bottom of the thread and cap.

STORAGE AND TRANSPORT:

Chill to <8ºC and transport in an upright position. **DO NOT** immerse in water or ice.

HALIDES

70mL PLASTIC (PP)

PRESERVATION:

Nil.

HOLDING TIMES:

14 Days.

ANALYTES:

Bromide, Chloride, Fluoride, Iodide and Sulphate.

QUANTITY REQUIRED:

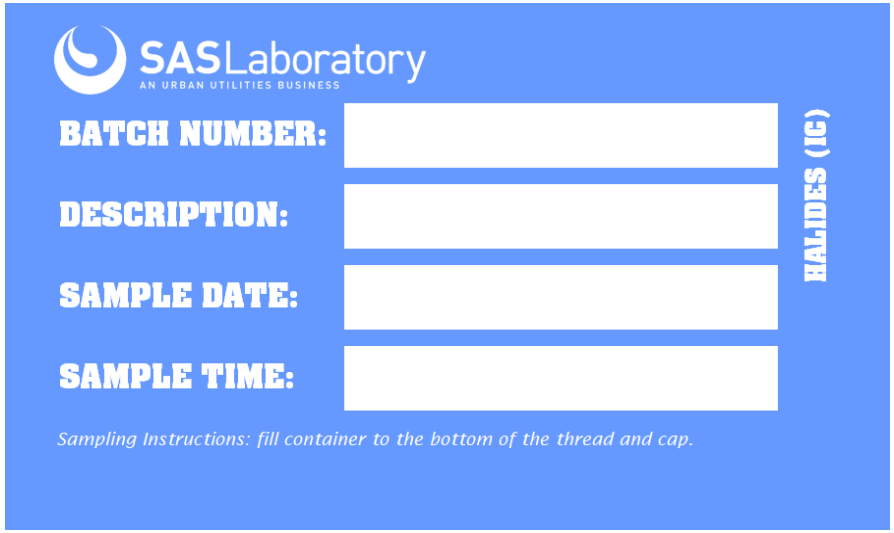
One (1) per sample.

SAMPLING INSTRUCTIONS:

Fill container to the bottom of the thread and cap.

STORAGE AND TRANSPORT:

Chill to <8ºC and transport in an upright position. **DO NOT** immerse in water or ice.



SASLaboratory
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BATCH NUMBER:

DESCRIPTION:

SAMPLE DATE:

SAMPLE TIME:

GRAB PH

Sampling Instructions: fill container to the bottom of the thread and cap.

GRAB pH

70mL PLASTIC (PP)

PRESERVATION:

Nil.

HOLDING TIMES:

24 Hours.

ANALYTES:

Grab pH.

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

Fill container to the bottom of the thread and cap.

STORAGE AND TRANSPORT:

Chill to <8°C and transport in an upright position. **DO NOT** immerse in water or ice.

CHLORINE

90mL WHITE PLASTIC

PRESERVATION:

Nil.

HOLDING TIMES:

24 Hours.

ANALYTES:

Free and Total Chlorine.

QUANTITY REQUIRED:

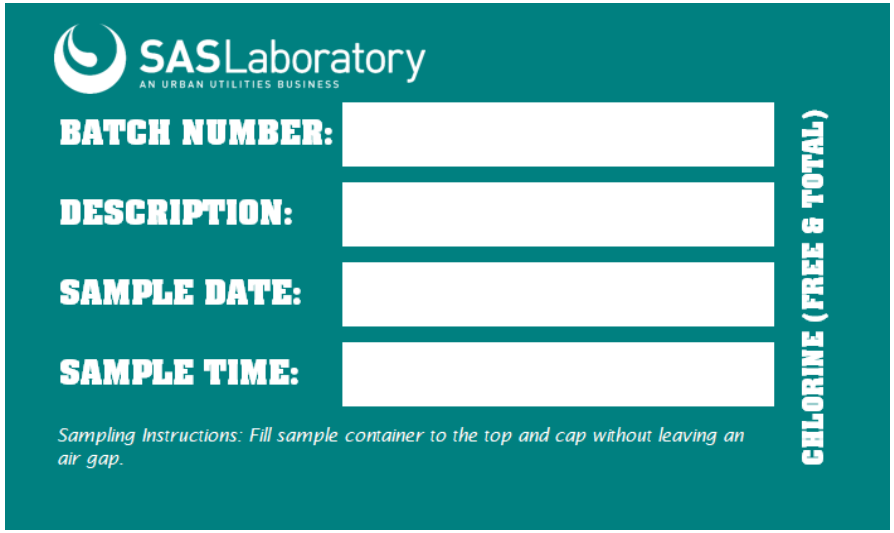
One (1) per sample.

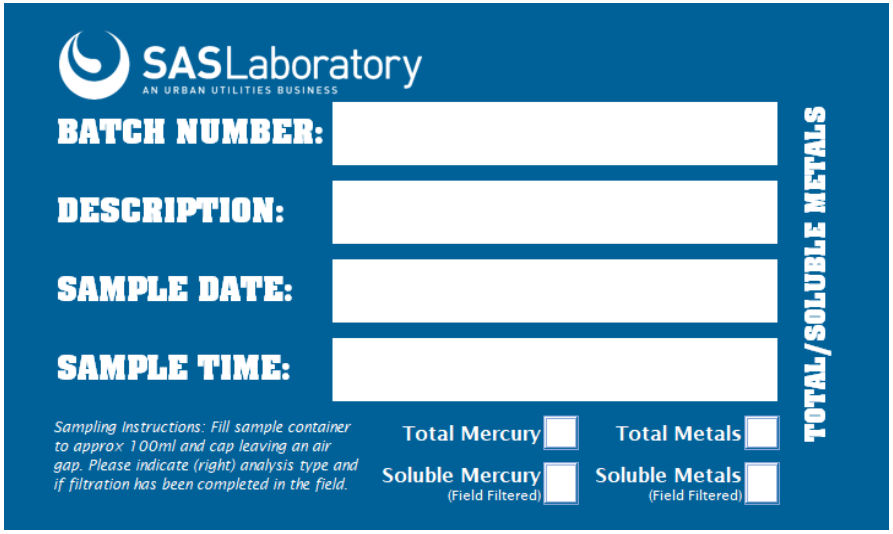
SAMPLING INSTRUCTIONS:

Fill sample container to the top and cap without leaving an air gap.

STORAGE AND TRANSPORT:

Chill to <8°C and transport in an upright position. **DO NOT** immerse in water or ice. Protect from light and analyse as soon as possible.





METALS

120mL PLASTIC (PC)

PRESERVATION:

Nil. Sample will be acidified on arrival at the laboratory.

HOLDING TIMES:

24 Hours.

ANALYTES:

Total and Soluble Metals by ICPMS/ICPOES; Total and Soluble Mercury by VGAF.

QUANTITY REQUIRED:

One (1) per analyte group.

SAMPLING INSTRUCTIONS:

Fill to approximately 100ml and cap leaving an air gap.

STORAGE AND TRANSPORT:

Chill to <8°C and transport in an upright position. **DO NOT** immerse in water or ice.

ADDITIONAL NOTES:

Analysis of Soluble metals requires an additional sample container as does the analysis of either Total or Soluble Mercury (by VGAF).

MLSS/VSS

200mL SQUARE PLASTIC

PRESERVATION:

Nil.

HOLDING TIMES:

Seven (7) Days.

ANALYTES:

Total Suspended Solids and Volatile Suspended Solids.

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

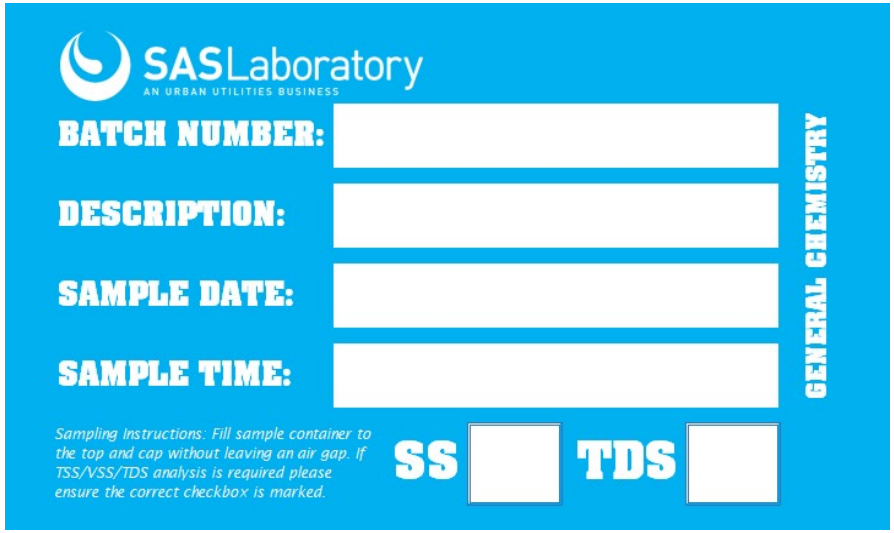
Fill to the shoulder of the container and cap leaving an air gap.

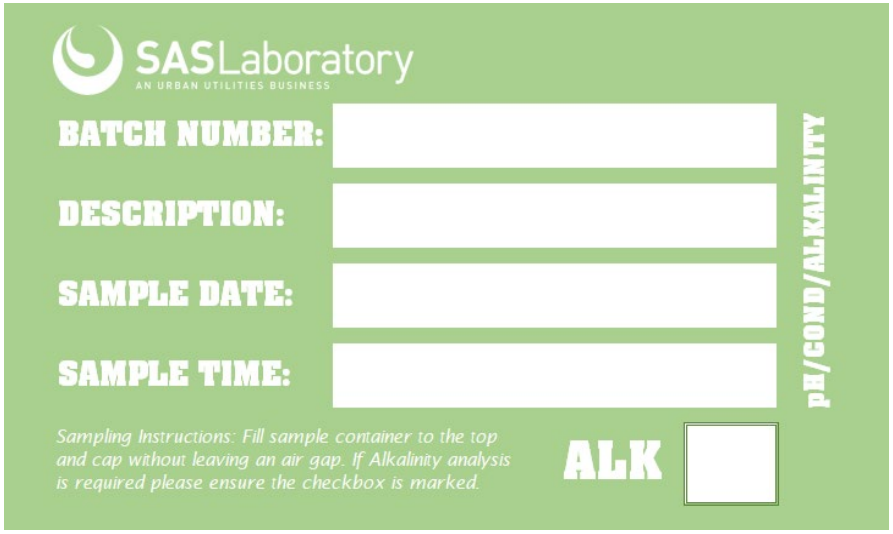
STORAGE AND TRANSPORT:

Chill to <8oC and transport in an upright position. DO NOT immerse in water or ice.

ADDITIONAL NOTES:

This sample container is recommended for analysis of semi-solid matrices for ease of sample collection.





ALKALINITY, CONDUCTIVITY & PH

250mL HDPE PLASTIC

PRESERVATION:

Nil.

HOLDING TIMES:

24 Hours.

ANALYTES:

Alkalinity as $CaCO_3$, Conductivity and pH by Automatic Titrator and Manual Probe.

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

Fill sample container to the top and cap without leaving an air gap.

STORAGE AND TRANSPORT:

Chill to <8oC and transport in an upright position. **DO NOT** immerse in water or ice.

PFAS & PFAS(TOPA)

250mL HDPE PLASTIC

PRESERVATION:

Nil.

HOLDING TIME:

28 Days.

ANALYTES:

PFAS and PFAS(TOPA)

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

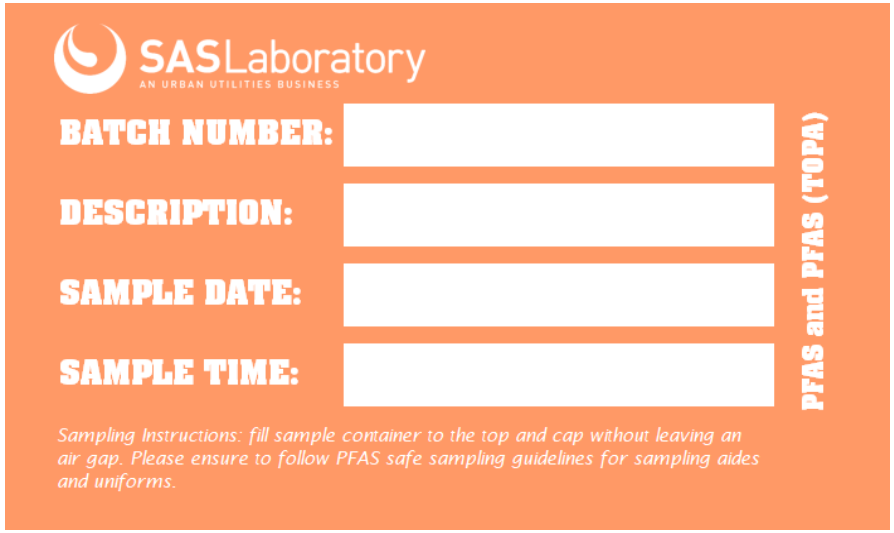
Fill sample container to the top and cap without leaving an air gap.

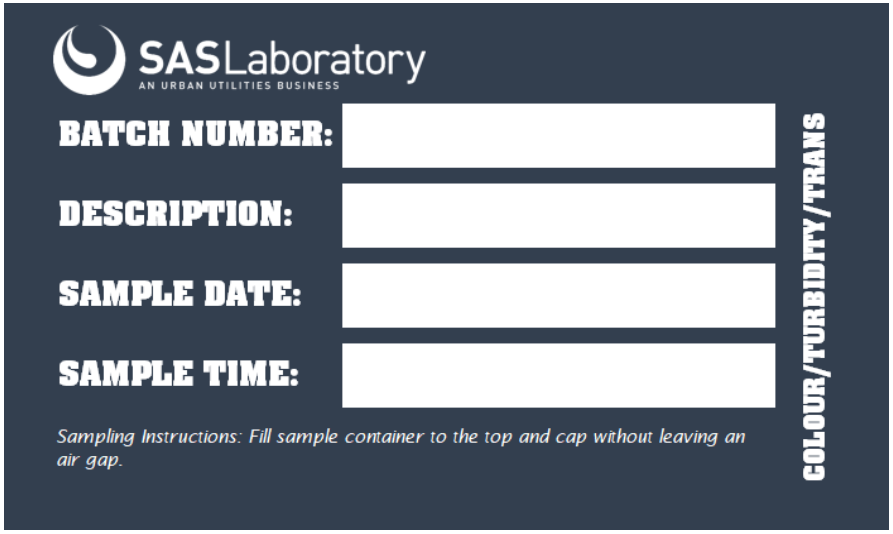
STORAGE AND TRANSPORT:

Chill to <8oC and transport in an upright position. **DO NOT** immerse in water or ice.

ADDITIONAL NOTES:

Separate sample containers will be required for both PFC and PFC (TOPA) where both are required.





COLOUR, TURBIDITY & TRANSMITTANCE

250mL HDPE PLASTIC

PRESERVATION:

Nil.

HOLDING TIMES:

24 Hours.

ANALYTES:

True Colour, Apparent Colour, Turbidity, UV Absorbance and UV Transmittance.

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

Fill sample container to the top and cap without leaving an air gap.

STORAGE AND TRANSPORT:

Chill to <8oC and transport in an upright position. **DO NOT** immerse in water or ice.

SOLIDS

500mL OR 1L HDPE PLASTIC

PRESERVATION:
Nil.

HOLDING TIME:
24 Hours.

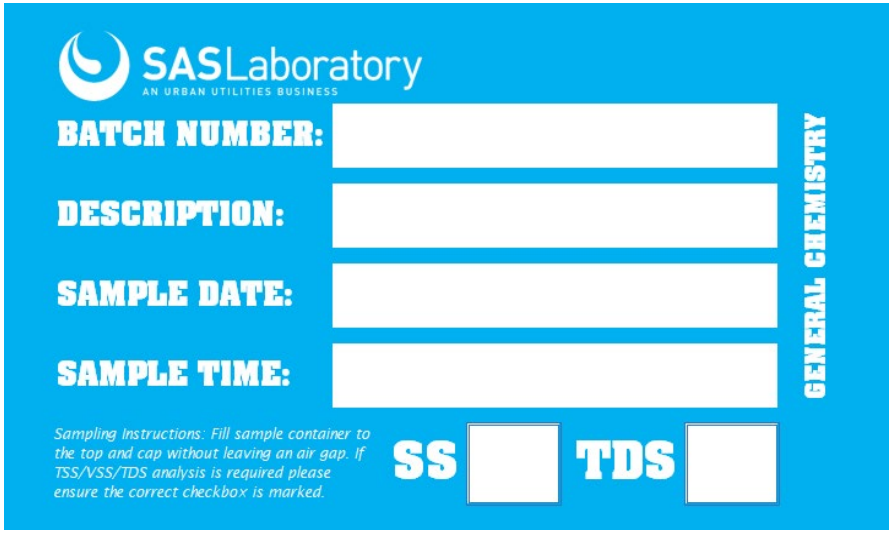
ANALYTES:
Total Suspended Solids (TSS), Volatile Suspended Solids (VSS) and Total Dissolved Solids (TDS) by Evaporation.

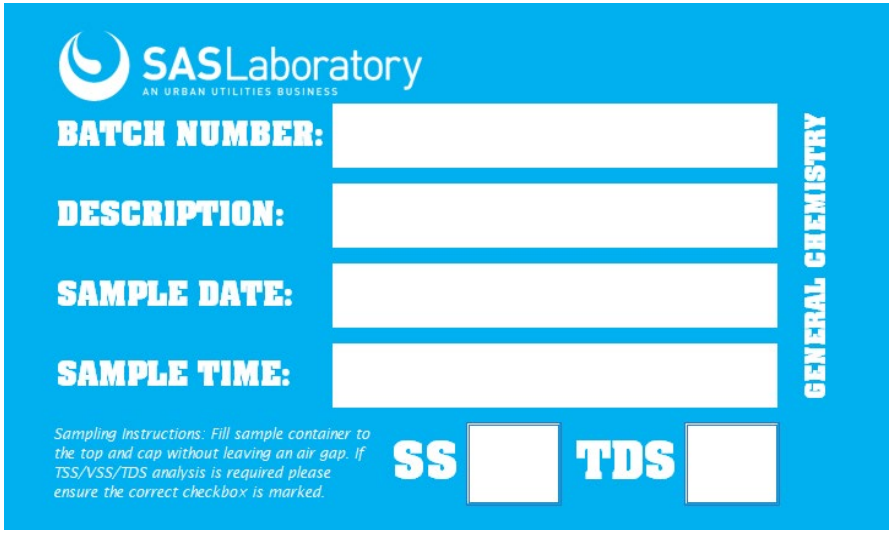
QUANTITY REQUIRED:
One (1) per sample.

SAMPLING INSTRUCTIONS:
Fill sample container to the top and cap without leaving an air gap.

STORAGE AND TRANSPORT:
Chill to <8oC and transport in an upright position. **DO NOT** immerse in water or ice.

ADDITIONAL NOTES:
Clean samples will require a greater volume for analysis than dirty samples. Please speak to the Laboratory for assistance choosing sample container sizes. Where BOD is also required only (1) sample container is required.





BIOLOGICAL OXYGEN DEMAND

500mL OR 1L HDPE PLASTIC

PRESERVATION:

Nil.

HOLDING TIMES:

24 Hours.

ANALYTES:

Total, Soluble and GFC Soluble Biological Oxygen Demand (BOD).

QUANTITY REQUIRED:

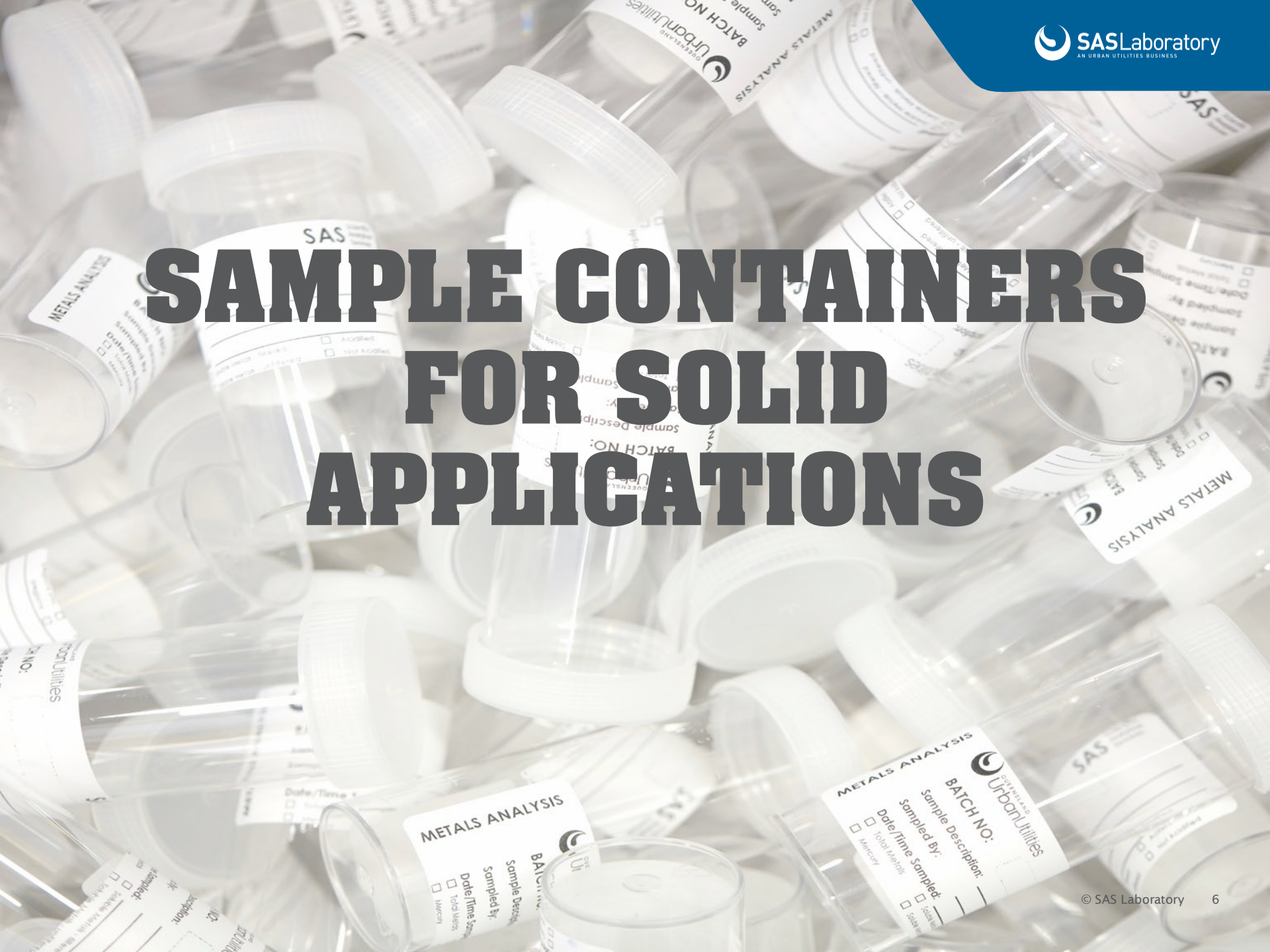
One (1) per sample. Where Solids are required as well only one (1) sample container is required per sample.

SAMPLING INSTRUCTIONS:

Fill sample container to the top and cap without leaving an air gap.

STORAGE AND TRANSPORT:

Chill to <8oC and transport in an upright position. **DO NOT** immerse in water or ice.



SAMPLE CONTAINERS FOR SOLID APPLICATIONS

MICROBIOLOGY

250mL STERILE PET

PRESERVATION:

Sodium Thiosulphate.

HOLDING TIME:

24 Hours.

ANALYTES:

General Microbiology.

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

DO NOT rinse or touch the inside of the sample container. Fill to the shoulder of the container and cap leaving an air gap.

STORAGE AND TRANSPORT:

Chill to <8°C and transport in an upright position. **DO NOT** immerse in water or ice.

ADDITIONAL NOTES:

Typically used for the sampling of showers, basins, ice or other scenarios where a wide mouth is required to facilitate sample collection.

SASLaboratory
AN URBAN UTILITIES BUSINESS

BATCH NUMBER:

DESCRIPTION:

SAMPLE DATE:

SAMPLE TIME:

GENERAL MICROBIOLOGY

THIS CONTAINER IS STERILE AND CONTAINS TRACE AMOUNTS OF NON HAZARDOUS SODIUM THIOSULPHATE PRESERVATIVE.

Sampling Instructions: DO NOT rinse or touch the inside of the sample container. Fill to the shoulder of the container and cap leaving an air gap.

SASLaboratory
AN URBAN UTILITIES BUSINESS

BATCH NUMBER:

DESCRIPTION:

SAMPLE DATE:

SAMPLE TIME:

Sampling Instructions: Fill two (2) sample containers to the top and cap leaving no air gap.

SEMI-VOLATILE ORGANICS

ORGANICS

250mL GLASS JAR

PRESERVATION:

Nil.

HOLDING TIME:

Seven (7) Days.

ANALYTES:

Organochlorine (OC) Pesticides and PCB's.

QUANTITY REQUIRED:

Two (2) per sample.

SAMPLING INSTRUCTIONS:

Fill jar to the top and cap leaving minimal air gap.

STORAGE AND TRANSPORT:

Chill to <8ºC. **DO NOT** immerse in water or ice.

PFAS & PFAS(TOPA)

90mL WHITE PLASTIC

PRESERVATION:

Nil.

HOLDING TIME:

28 Days.

ANALYTES:

PFAS and PFAS(TOPA)

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

Fill sample container to the top and cap without leaving an air gap.

STORAGE AND TRANSPORT:

Chill to <8oC and transport in an upright position. **DO NOT** immerse in water or ice.

ADDITIONAL NOTES:

Separate sample containers will be required for both PFC and PFC (TOPA) where both are required.

SASLaboratory
AN URBAN UTILITIES BUSINESS

BATCH NUMBER:

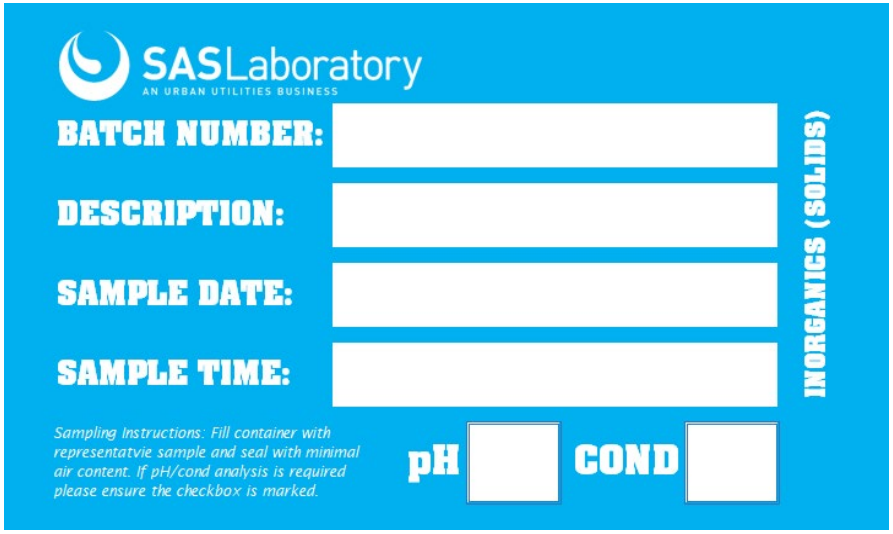
DESCRIPTION:

SAMPLE DATE:

SAMPLE TIME:

PFAS and PFAS (TOPA)

Sampling Instructions: fill sample container to the top and cap without leaving an air gap. Please ensure to follow PFAS safe sampling guidelines for sampling aides and uniforms.



INORGANICS

200mL SQUARE PLASTIC

PRESERVATION:

Nil.

HOLDING TIME:

Seven (7) Days.

ANALYTES:

1:5 pH, 1:5 Conductivity, Total Solids (Residue) and Fixed Solids (Residue).

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

Fill container with representative sample and seal with minimal air content.

STORAGE AND TRANSPORT:

Chill to <8ºC. **DO NOT** immerse in water or ice.

ADDITIONAL NOTES:

Please note where multiple analytes are required a minimum of two (2) sample containers should be provided for each sample.

METALS

200mL SQUARE PLASTIC

PRESERVATION:

Nil.

HOLDING TIME:

24 Hours.

ANALYTES:

Total Metals and Total Mercury.

QUANTITY REQUIRED:

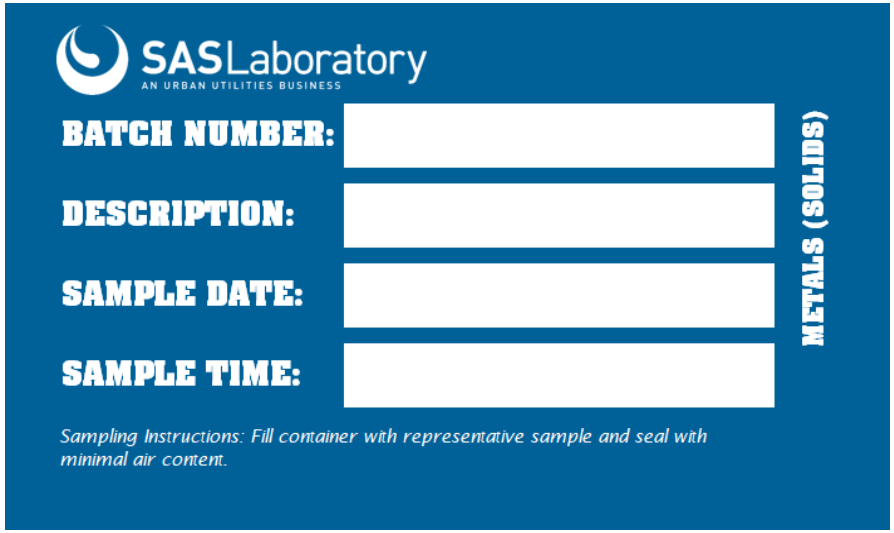
One (1) per sample.

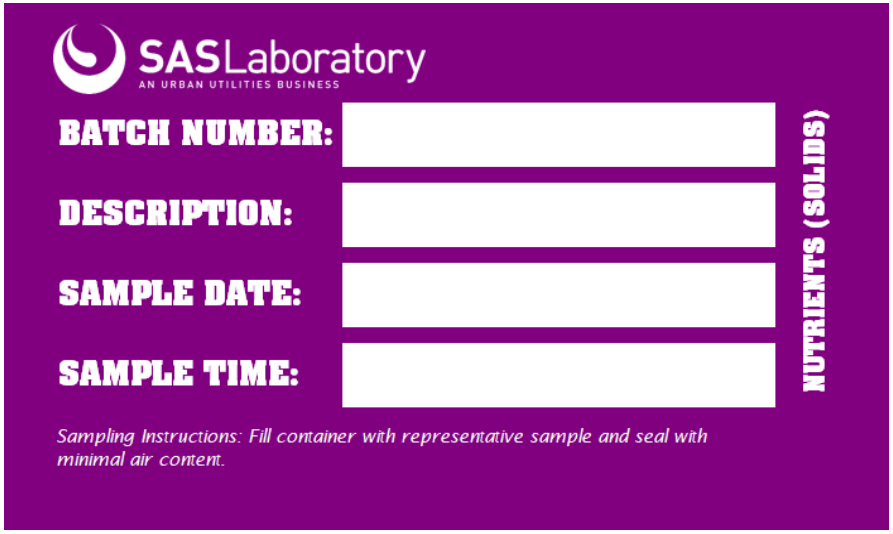
SAMPLING INSTRUCTIONS:

Fill container with representative sample and seal with minimal air content.

STORAGE AND TRANSPORT:

Chill to <8ºC. **DO NOT** immerse in water or ice.





NUTRIENTS

200mL SQUARE PLASTIC

PRESERVATION:

Nil.

HOLDING TIME:

Seven (7) Days.

ANALYTES:

Chloride, Ammonia (NH_3), Nitrate (NO_3), Nitrite (NO_2), Nitrate + Nitrite (NO_X), Ortho Phosphorous (PO_4), Total Nitrogen (TN) and Total Phosphorous (TP).

QUANTITY REQUIRED:

One (1) per sample.

SAMPLING INSTRUCTIONS:

Fill container with representative sample and seal with minimal air content.

STORAGE AND TRANSPORT:

Chill to <8°C. **DO NOT** immerse in water or ice.

ADDITIONAL NOTES:

Please note where multiple analytes are required a minimum of two (2) sample containers should be provided for each sample.