



right solutions.  
right partner.

# Sample bottle guide v1.8



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Click the tile to see more information about the bottle.

#056	<b>Acrylamide, Acrolein</b>	#015	<b>Dust Deposition</b> Total Solids, Soluble, Insoluble & Combustible Matter, Ash Content, Calculated Rainfall, Various Metals in dust excluding Cu.
#013	<b>Acid Sulfate Soils</b> SPOCAS, Chromium Suite, CRS, TOS, NAPP/NAG	#065	<b>Endotoxins</b>
#027	<b>Algae</b> Total Algae, Cyanobacteria	#052	<b>Foreign Materials Testing (FMT)</b>
#059	<b>Algae–1% Lugol's Iodine Solution</b> Freshwater Algae	#007	<b>General Water Quality</b> Major Cations/Anions, Nitrate, Nitrite, Reactive P, pH, EC, Silica, Hardness, Standard level TSS/ TDS, BOD, Turbidity, Colour
#060	<b>Amoeba/ Naegleria</b>	#054	<b>Glycols</b>
#053	<b>AOX</b>	#037	<b>Haloacetic Acids</b>
#023	<b>Bacteriological Test in Soil</b>	#012	<b>Metals</b> Metals - Dissolved or Total (60mL),
#006	<b>Chlorophyll-a</b> Chlorophyll a, b, c	#028	<b>Metals (Airfreight)</b> Metals - Dissolved or Total (60mL), Radionuclides - Gross Alpha/Beta (1L), Radionuclides - other (5 x 1L), Airfreight option available
#044	<b>Cryptosporidium, Giardia</b>	#014	<b>Metals–Hexavalent Chromium</b> Hexavalent Chromium (Cr6+)
#002	<b>Cyanides</b> Total, Free and WAD Cyanide.	#004	<b>Metals–Ferrous Iron</b>
#042	<b>Cyanide Pre-treatment</b> Anoxic groundwater, sewage and samples exposed to sediment/high level sulfides.	#019	<b>Metals–Speciated Arsenic &amp; Selenium</b>
#051	<b>Dust Deposition</b> Total Solids, Soluble, Insoluble & Combustible Matter, Ash Content, Calculated Rainfall, Various Metals in dust including Cu.	#038	<b>Metals–Ultra Trace (unpreserved)</b>

# INDEX | 2

Click the tile to see more information about the bottle.

#034	<b>MIB/GEOSMIN/ TCA &amp; Other Odour Compounds</b> MIB/Geosmin Trichloroanisole and other Odour Compounds
#024	<b>Microbiology</b> Bacteriological Tests
#050	<b>Oil &amp; Grease</b>
#057	<b>Oxyhalides</b>
#062	<b>PFAS–Soils</b>
#035	<b>PFAS/TOF or Paraquat/ Diquat–Waters</b>
#010	<b>Select Nutrients</b> TKN/TP, TN, NOX, Ammonia, COD, Total Phenolics
#040	<b>Semi-Volatile Organics</b> Standard Level Semi-Volatile Organics. TRH, PAH, Phenols, OC/OP, PCB
#026	<b>Soil Parameters</b> All parameters excluding ASS, Sizings & Asbestos.
#005	<b>Specialist Organics</b> Low level Semi-volatile Organics.
#055	<b>Specialist Organics</b> (Preservation with Sodium Thiosulfate)
#032	<b>Specialist Organics - LCMS</b> Standard Level LCMS incl' Fosamine + Acrylamide + Amitrole + EDTA + Glyphosate or Amitrole-LL, or Explosives + Perchlorate.

#003	<b>Sulfide</b>
#063	<b>Sulfide Pre-treatment Solution–Aluminium Chloride Solution (AlCl3)</b>
#001	<b>Sulfide Pretreatment for Dissolved/Un-ionised Hydrogen Sulfide</b>
#009	<b>Sulfite &amp; Thiosulfate</b>
#008	<b>Surfactants</b> Anionic Surfactants (MBAS), Non-Ionic Surfactants (NIS), Alkyl-Phenyl Ethoxylates (APE)
#058	<b>Thiocyanate</b>
#018	<b>TOC/DOC</b> TOC (or NPOC) or DOC (or NPDOC)
#031	<b>Ultra Trace Nutrients</b> Reactive P, Nitrate, Nitrite, Ammonia
#036	<b>Ultra Trace Nutrients</b> Total Nitrogen, Total Phosphorous
#016	<b>VOC</b>
#029	<b>VOC (Air freight option)</b>
#043	<b>VOCs (incl THMs) in Chlorinated Water</b>



## INDEX



# Acrylamide, Acrolein

# #056

### SAMPLE CONTAINER

- Pair of 40mL Amber Glass Vials with Teflon lined Septa.

### PRESERVATION

Nil  
Chill to  $\leq 6^{\circ}\text{C}$

### ANALYTES

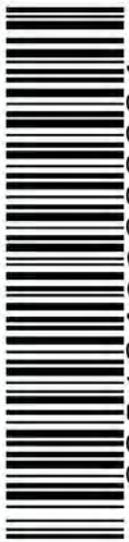
Acrylamide  
Acrolein

### HOLDING TIMES

Acrolein - 3 days  
Acrylamide - 7 days



Prompt return to the laboratory is essential



0056012200001



CLIENT / REF: .....

SAMPLED BY: .....

SAMPLE ID: .....

DATE / TIME: .....

Major analytes include:

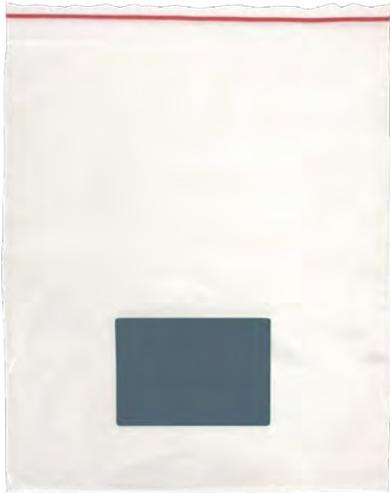
## ACRYLAMIDE, ACROLEIN

This container contains no preservatives however trace amounts of  
NON HAZARDOUS SODIUM THIOSULFATE  
may be added to chlorinated water.

056v2



## INDEX



# Acid Sulfate Soils

# #013

### SAMPLE CONTAINER

- 250mL Plastic Bag

### ANALYTES

SPOCAS	CRS
Chromium	TOS
Suite	NAPP/NAG

### PRESERVATION

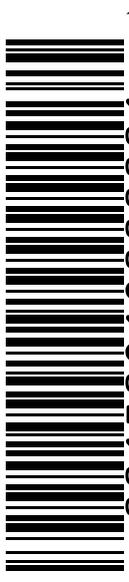
Nil, Freeze or submit within 24 hours of sampling

### HOLDING TIMES

Unfrozen - **24 hours**  
Frozen - **Indefinite**



Unless requested otherwise, Acid Sulfate soils will be automatically placed in the freezer upon receipt to facilitate extended holding times.



0013081800001



**CLIENT / REF:** .....

**SAMPLED BY:** .....

**SAMPLE ID:** .....

**DATE / TIME:** .....

Major analyte:  
**ACID SULFATE SOILS**

**This bag contains no preservatives**  
**24 hour holding time -**  
**Samples should be frozen to extend holding time indefinitely.**

013
v1



# Sample bottle guide

V1.8

## INDEX



# Algae

# #027

### SAMPLE CONTAINER

- 200mL Plastic Bottle

### ANALYTES

Total Algae  
Cyanobacteria (Blue-Green Algae)

### PRESERVATION

Unpreserved—chill to  $\leq 6^{\circ}\text{C}$  and submit within 12 hours of sampling in dark conditions, or add Lugol's Iodine Solution

### HOLDING TIMES

Total Algae and Cyanobacteria (Blue-Green Algae): **48 hours** (unpreserved) or **6 months** (preserved with Lugol's)



### Fill to bottle neck, allowing head-space

Samples must be kept in the dark.  
Avoid exposure to light.  
Lugol's solution provided for preservation.



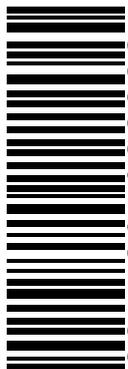
Client / Ref: \_\_\_\_\_



Sampled by: \_\_\_\_\_

Sample ID: \_\_\_\_\_

Date / Time: \_\_\_\_\_



< 00270818000001 >

Major analyte:  
**Algae**

Lugol's Iodine solution added:  Yes  No

This bottle contains: Iodine

**WARNING**

Harmful in contact with skin.

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## INDEX



# Algae-1% Lugol's Iodine Solution #059

### SAMPLE CONTAINER

- 40 mL Amber Glass Vials with Teflon lined Septa

### ANALYTES

Total Algae  
Cyanobacteria

### PRESERVATION

Iodine

### HOLDING TIMES



The holding time for the analysis of ALGAE is extended when preserved with Lugol's Iodine Solution.

Client / Ref:	
Sampled by:	
Sample ID:	
Date / Time:	
Major analyte:	Lugol's Iodine Solution
This bottle contains:	Iodine
ALS 277 Woodpark Rd, Smithfield NSW 2164	
Telephone: 02 8784 8555	



## 1% Lugol's Iodine Solution for the preservation of samples to be analysed for ALGAE



The holding time for the analysis of ALGAE is extended when preserved with Lugol's Iodine Solution.

### Procedure:

1. Fill the supplied ALS dark green labelled 200mL plastic bottle with sample.
2. Add the contents of this vial to the sample bottle and secure lid
3. Dispose vial responsibly or return to ALS for disposal.

**This bottle contains: Iodine  
WARNING**

**Harmful in contact with skin**

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## INDEX



# Amoeba Naegleria

# #060

### SAMPLE CONTAINER

- 250mL Sterile Plastic Bottle

### ANALYTES

Amoeba, Naegleria

### PRESERVATION

DO NOT CHILL

### HOLDING TIMES

4 days



### DO NOT CHILL

Return container to ALS full of sample.



00600122000001

CLIENT / REF: ..... 

SAMPLED BY: .....

SAMPLE ID: .....

DATE / TIME: .....

**AMOEBBA / NAEGLERIA**  
**DO NOT CHILL**  
TRANSPORT AND STORE AT AMBIENT TEMPERATURE

This bottle is sterile and contains trace amounts of NON HAZARDOUS SODIUM THIOSULFATE

060 v2



# Sample bottle guide

V1.8

## INDEX



# AOX

# #053

### SAMPLE CONTAINER

- 500mL Amber Glass Bottle

### ANALYTES

AOX

### PRESERVATION

Nitric Acid (plus Sodium Thiosulfate for Chlorinated waters) Chill to  $\leq 6^{\circ}\text{C}$

### HOLDING TIMES

6 months



**Fill to Zero Headspace** minimising exposure to air.

Transport to ALS by **road** only. *AOX (one bottle), EOX (two bottles)*



**Client / Ref:** \_\_\_\_\_



**Sampled by:** \_\_\_\_\_

**Sample ID:** \_\_\_\_\_

**Date / Time:** \_\_\_\_\_



**Major analytes include:**

**AOX**

This bottle contains: Nitric acid

**DANGER**

Corrosive liquid

Causes severe skin burns and eye damage, oxidizer.

**ZERO  
HEADSPACE  
REQUIRED**

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**Telephone: 02 8784 8555**



## INDEX

### Bacteriological Tests in Soil

### #023



#### SAMPLE CONTAINER

- Clear Plastic Container with Yellow Lid

#### ANALYTES

Bacteria

#### PRESERVATION

Nil  
Chill to  $\leq 6^{\circ}\text{C}$

#### HOLDING TIMES

4 days



00230818000001

CLIENT / REF: .....

SAMPLED BY: .....

SAMPLE ID: .....

DATE / TIME: .....

Major analyte:  
**BACTERIOLOGICAL TESTS IN SOIL**

This container is sterile and unpreserved



## INDEX



# Chlorophyll

# #006

### SAMPLE CONTAINER

- 1L White Plastic Bottle, or
- Filter Paper (frozen, wrapped in foil)

### ANALYTES

Chlorophyll a, b, c

### PRESERVATION

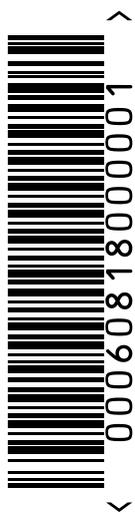
Nil  
Chill to  $\leq 6^{\circ}\text{C}$

### HOLDING TIMES

2 days, unless filtered and frozen – 28 days.



Store filter paper in dark at  $-20^{\circ}\text{C}$  in frost free freezer.



CLIENT / REF: .....



SAMPLED BY: .....

SAMPLE ID: .....

DATE / TIME: .....

Major analytes include:

## CHLOROPHYLL-a

This bottle contains no preservatives



## INDEX



# Cryptosporidium, #044 Giardia

### SAMPLE CONTAINER

- 5L-10L plastic bottle

### ANALYTES

Cryptosporidium  
Giardia

### PRESERVATION

Nil  
Chill to  $\leq 6^{\circ}$

### HOLDING TIMES

4 days





0044081800001

CLIENT / REF: .....

SAMPLED BY: .....

SAMPLE ID: .....

DATE / TIME: .....

Major analytes include:  
**CRYPTOSPORIDIUM, GIARDIA**

This bottle contains no preservatives



044 v1



## INDEX



## Cyanides

## #002

### SAMPLE CONTAINER

- 60 mL Black Plastic Bottle
- **Cyanate** requires a separate 60 mL bottle

### ANALYTES

Total, Free and WAD Cyanide / Amenable Cyanide / Cyanate

**Thiocyanate** - see the purple bottle #058

### PRESERVATION

Sodium Hydroxide (NaOH)  
Chill to  $\leq 6^\circ$

### HOLDING TIMES

14 days



If Sulfide is suspected, a (Blue & White) Sulfide Pre-Treatment bottle (containing Lead Acetate) should be used to remove sulfide prior to decanting into the cyanide bottle for dispatch to ALS.

Pre-treatment option



Client / Ref: \_\_\_\_\_



Sampled by: \_\_\_\_\_

Sample ID: \_\_\_\_\_

Date / Time: \_\_\_\_\_



**Major analytes:**  
Total, Free and WAD Cyanide or Cyanate  
Sulfide pre-treated (tick if applicable)   
**DANGER**  
Corrosive Liquid  
Sodium hydroxide

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## INDEX



# Cyanide Pre-treatment

# #042

### SAMPLE CONTAINER

- 60mL Opaque Plastic Bottle

### ANALYTES

Samples potentially containing sulfide: Anoxic groundwater, sewage and samples exposed to sediment/high level sulfides.

### PRESERVATION

Lead acetate

### HOLDING TIMES



Sulfide interferes with cyanide analysis.

## Cyanide Pre-treatment bottle for samples potentially containing Sulfide



Sulfide interferes with cyanide analysis. ALS procedures improve quality by facilitating the removal of sulfide using this pre-treatment bottle/procedure. Note: In general surface waters do not contain sulfide. Sulfide may be found in anoxic groundwater, sewage and samples exposed to sediment/high level sulfides.

#### Procedure:

1. Fill this bottle with sample, cap then mix.
2. Allow any precipitate to settle (10 minutes is recommended).
3. Decant the pre-treated sample into the blue ALS cyanide determination bottle.

This pre-treatment bottle may be disposed of in a solid waste landfill or returned to ALS for disposal.

**This bottle contains: Lead acetate**

**DANGER**

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## INDEX

# Dust Deposition #051



### SAMPLE CONTAINER

- 4L Glass Winchester
- 2.5L Glass Winchester

### ANALYTES

Total Solids  
Soluble, Insoluble & Combustible Matter  
Ash Content  
Calculated Rainfall  
Various Metals in dust, including Copper

### PRESERVATION

Benzalkonium Chloride

### HOLDING TIMES

30 days



Please provide field data via COC (start/finish dates & funnel diameter if not 150mm).

	CLIENT/REF: _____	
	SAMPLED BY: _____	
	SAMPLE ID: _____	
	START DATE: _____	FINISH DATE: _____
	Major analyte:	<b>DUST ANALYSIS</b>
	<b>WARNING</b> Benzalkonium Chloride Causes serious eye irritation and skin irritation. Very toxic to aquatic life.	
	ALS: 277 Woodpark Rd, Smithfield NSW 2164. Telephone: 02 8784 8555	



## INDEX



# Dust Deposition

# #015

### SAMPLE CONTAINER

- 4L Glass Winchester
- 2.5L Glass Winchester

### ANALYTES

Total Solids  
Soluble, Insoluble & Combustible Matter  
Ash Content  
Calculated Rainfall  
Various Metals in dust excluding copper

### PRESERVATION

Copper Sulfate ( $\text{CuSO}_4$ )

### HOLDING TIMES

30 days



Please provide field data via COC (start/finish dates & funnel diameter if not 150mm).



CLIENT/REF: \_\_\_\_\_



SAMPLED BY: \_\_\_\_\_

SAMPLE ID: \_\_\_\_\_



START DATE: \_\_\_\_\_

FINISH DATE: \_\_\_\_\_

Major analyte:

## DUST DEPOSITION ANALYSIS

### WARNING

Copper Sulfate

Causes serious eye irritation and skin irritation. Very toxic to aquatic life.

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Telephone: 02 8784 8555



## INDEX

### Endotoxins

### #065



#### SAMPLE CONTAINER

- 50mL Plastic Bottle  
Pyrogen free and Sterile

#### ANALYTES

Endotoxins

#### PRESERVATION

Chill to  $\leq 6^{\circ}\text{C}$

#### HOLDING TIMES

7 days



**Fill to Zero Headspace** minimising exposure to air.

^

< 0065081800001

CLIENT / REF: .....

SAMPLED BY: .....

SAMPLE ID: .....

DATE / TIME: .....

Major analyte:

## ENDOTOXINS

This container is pyrogen free, sterile and unpreserved.

065
v1



## INDEX

# Foreign Materials Testing (FMT)

# #052



### SAMPLE CONTAINER

- Green Plastic Bag

### ANALYTES

Foreign Materials

### PRESERVATION

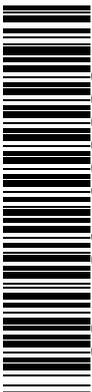
Nil

### HOLDING TIMES

6 months



>



00520818000001

<



CLIENT / REF: .....

SAMPLED BY: .....

SAMPLE ID: .....

DATE / TIME: .....

Major analytes include:

**FOREIGN MATERIALS TESTING (FMT)**  
**6KG SAMPLE REQUIRED**

**This bag contains no preservatives**



## INDEX



# General Water Quality

# #007

### SAMPLE CONTAINER

- 125mL Plastic Bottle
- 250mL Plastic Bottle
- 500mL Plastic Bottle
- 60ml Plastic Bottle

### PRESERVATION

Nil  
Chill to  $\leq 6^{\circ}\text{C}$

### ANALYTES

Major Cations / Anions, Nitrate, Nitrite, Reactive P, pH, EC, Silica, Hardness, Standard level TSS / TDS, BOD, Turbidity, Colour, Perchlorate

### HOLDING TIMES

pH: **6 hrs**; BOD, Colour, Turbidity,  $\text{NO}_2$ ,  $\text{NO}_3$ ,  $\text{PO}_4$ : **2 days**; TSS, TDS, Particle Sizings: **7 days**; Other: generally **28 days**



Field pH is recommended. Perchlorate requires  $0.2\ \mu\text{m}$  filtration and 50% headspace using 60 mL container.



CLIENT / REF: .....



SAMPLED BY: .....

SAMPLE ID: .....

DATE / TIME: .....

Major analytes include:

**Physical Properties, Solids, BOD, Major Cations and Anions**  
(various bottle sizes apply - see Sample Bottle Guide)

This bottle contains no preservatives



## INDEX



# Glycols

# #054

### SAMPLE CONTAINER

- 40mL Glass Vials with Teflon lined Septa

### ANALYTES

Glycols

### PRESERVATION

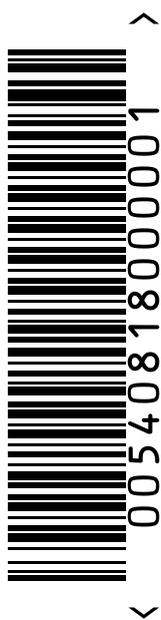
Nil  
Chill to  $\leq 6^{\circ}\text{C}$

### HOLDING TIMES

7 days  
+ 40 days for extracts



**Fill to Zero Headspace** minimising exposure to air.



CLIENT / REF: .....



SAMPLED BY: .....

SAMPLE ID: .....

DATE / TIME: .....

Major analytes include:

**GLYCOLS**

This bottle contains no preservatives



## INDEX



# Haloacetic Acids #037

### SAMPLE CONTAINER

- Pair of 40mL Vials with Teflon lined Septa.

### ANALYTES

Chloro & Bromo Acetic Acids

### PRESERVATION

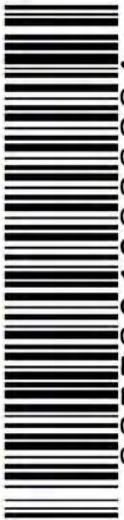
Ammonium Chloride (NH<sub>4</sub>Cl)  
Chill to ≤6°C

### HOLDING TIMES

28 days



**Fill to Zero Headspace** minimising exposure to air.

 00370818000001	CLIENT / REF: .....	
	SAMPLED BY: .....	
	SAMPLE ID: .....	
	DATE / TIME: .....	
Major analytes include:		
<b>HALOACETIC ACIDS</b>		ZERO HEADSPACE REQUIRED
This container contains trace amounts of NON HAZARDOUS AMMONIUM CHLORIDE		
037		V1



## INDEX

### Metals

### #012



#### SAMPLE CONTAINER

- 60mL Plastic Bottle

#### ANALYTES

Metals - Dissolved or Total (60 mL)

#### PRESERVATION

Nitric Acid (HNO<sub>3</sub>)  
Chill to ≤6°C

#### HOLDING TIMES

6 months, except  
Hg, Cations - 28 days;



2 containers required if testing both Total and Dissolved Metals. Field filtration is mandatory for dissolved Metals. (confirm by COC & ticking label).

Unpreserved option  
Lab acidified.



Client / Ref: \_\_\_\_\_



Sampled by: \_\_\_\_\_

Sample ID: \_\_\_\_\_

Date / Time: \_\_\_\_\_



> 00120423044001 <

**Major analyte: TOTAL METALS OR DISSOLVED METALS**

Field filtration is required for dissolved metals  
Tick the box if field filtration was performed

*When filled this bottle is **no** longer a Dangerous Good and is Air Freight SAFE.*

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## INDEX

# Metals (Unpreserved)

# #028



### SAMPLE CONTAINER

- 60mL Plastic Bottle
- 1L - 5x1L Plastic Bottle (Radionuclides)

### ANALYTES

Metals - Dissolved or Total (60 mL)  
 Radionuclides - Gross Alpha/Beta (1L), Radionuclides - other (5x1L)

### PRESERVATION

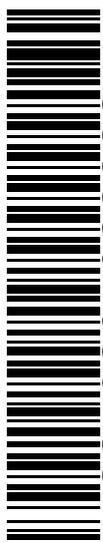
Nil  
 Chill to  $\leq 6^{\circ}\text{C}$

### HOLDING TIMES

**6 months**, except Hg,  
 Cations - **28 days**;  
 Radionuclides - **various**



**2 containers required if testing both Total and Dissolved Metals. Field filtration is mandatory for dissolved Metals.**  
 (Confirm by COC & ticking label).



0028081800001



**CLIENT / REF:** .....

**SAMPLED BY:** .....

**SAMPLE ID:** .....

**DATE / TIME:** .....

**Major analyte: TOTAL METALS OR DISSOLVED METALS**

Field filtration is required for dissolved metals

Tick the box if field filtration was performed

**THIS BOTTLE CONTAINS NO PRESERVATIVE  
THIS SAMPLE WILL BE LAB ACIDIFIED**

028
V1



## INDEX

# Metals #014 –Hexavalent Chromium



### SAMPLE CONTAINER

- 60mL Plastic Bottle

### ANALYTES

Hexavalent Chromium (Cr<sup>6+</sup>)

### PRESERVATION

Sodium Hydroxide  
(trace NaOH)  
Chill to ≤6°C

### HOLDING TIMES

28 days



**Field filtration is mandatory for dissolved Cr<sup>6+</sup>**

(confirm by COC & ticking label).

**Fill to Zero Headspace** minimising exposure to air.



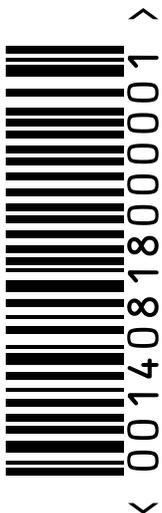
Client / Ref: \_\_\_\_\_



Sampled by: \_\_\_\_\_

Sample ID: \_\_\_\_\_

Date / Time: \_\_\_\_\_



Major analytes include:  
**HEXAVALENT CHROMIUM (Cr<sup>6+</sup>)**

Field filtration is required for dissolved Cr<sup>6+</sup>

Tick the box if field filtration was performed

This bottle contains: Sodium Hydroxide Solution

**DANGER**  
Corrosive liquid

**ZERO  
HEADSPACE  
REQUIRED**

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## INDEX



# Metals –Ferrous Iron

# #004

### SAMPLE CONTAINER

- 60mL Plastic Bottle

### ANALYTES

Ferrous Iron

### PRESERVATION

Hydrochloric Acid (HCl)  
Chill to  $\leq 6^\circ$

### HOLDING TIMES

7 days  
1 day if not filtered



Field filtration is mandatory (confirm by COC & ticking label).  
Fill to Zero Headspace minimising exposure to air.



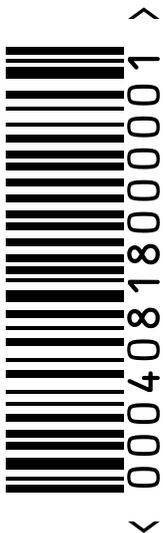
Client / Ref: \_\_\_\_\_



Sampled by: \_\_\_\_\_

Sample ID: \_\_\_\_\_

Date / Time: \_\_\_\_\_



Major analytes include:

**FERROUS IRON (Fe<sup>2+</sup>)**

(All samples requiring ferrous iron analysis should be field filtered)

This bottle contains: Hydrochloric acid

**DANGER**

Corrosive liquid



(tick the box to confirm field filtration was performed)

**ZERO HEADSPACE REQUIRED**

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## INDEX

# Metals–Speciated #019 Arsenic & Selenium



### SAMPLE CONTAINER

- 60mL Opaque Plastic Bottle

### ANALYTES

Speciated As & Se

### PRESERVATION

Hydrochloric Acid (HCl)  
Chill to  $\leq 6^{\circ}$

### HOLDING TIMES

28 days



**Field filtration is mandatory for dissolved metals!**

(confirm by COC & ticking label).

**Fill to Zero Headspace** minimising exposure to air.



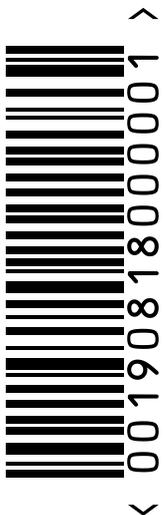
**Client / Ref:** \_\_\_\_\_



**Sampled by:** \_\_\_\_\_

**Sample ID:** \_\_\_\_\_

**Date / Time:** \_\_\_\_\_



**Major analytes include:  
Speciated Arsenic & Selenium**

**Field Filtered** - Field filtration required. Tick to confirm field filtration performed.  
This bottle contains: Hydrochloric acid

**DANGER**  
Corrosive liquid

**ZERO  
HEADSPACE  
REQUIRED**

**ALS: 277 Woodpark Rd, Smithfield NSW 2164  
Telephone: 02 8784 8555**



## INDEX

# Metals–Ultra Trace #038 (unpreserved)



### SAMPLE CONTAINER

- 60mL Plastic Bottle

### ANALYTES

Ultra-Trace ORC Metals

### PRESERVATION

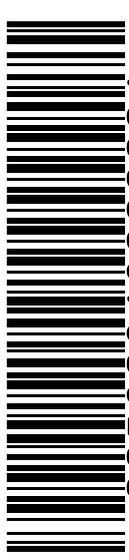
Nil  
Chill to  $\leq 6^{\circ}\text{C}$

### HOLDING TIMES

6 months, except  
Hg, Cations - 28 days



2 x 60mL bottles required if testing both Total and Dissolved Metals. Field filtration is mandatory for Dissolved Metals. (confirm by COC & ticking label).  
Fill to Zero Headspace minimising exposure to air.



0038091800001



**CLIENT / REF:** .....

**SAMPLED BY:** .....

**SAMPLE ID:** .....

**DATE / TIME:** .....

**Major analyte:**

**ULTRA-TRACE ORC METALS**

**TOTAL OR DISSOLVED**

Field filtration is required for dissolved metals

Tick the box if field filtration was performed

THIS BOTTLE CONTAINS NO PRESERVATIVE  
THIS SAMPLE WILL BE LAB ACIDIFIED

038
VI



## INDEX



# MIB / GEOSMIN / #034 TCA & Other Odour Compounds

### SAMPLE CONTAINER

- Pair of 40mL Amber Glass Vials

### PRESERVATION

Nil  
Chill to  $\leq 6^{\circ}\text{C}$

### ANALYTES

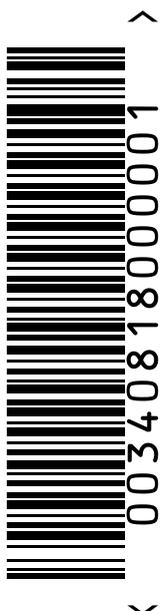
MIB/Geosmin  
Trichloroanisole and other  
Odour Compounds

### HOLDING TIMES<sup>3</sup>

3 days



**Fill to Zero Headspace** minimising exposure to air.



CLIENT / REF: .....



SAMPLED BY: .....

SAMPLE ID: .....

DATE / TIME: .....

Major analytes include:

**MIB/Geosmin/TCA &  
Other Odour Compounds**

**ZERO  
HEADSPACE  
REQUIRED**

This bottle contains no preservatives



## INDEX



# Microbiology #024

## Bacteriological Tests

### SAMPLE CONTAINER

- 250mL Clear Plastic Bottle

### ANALYTES

250 mL = *E Coli*, Coliforms & HPC or *Streptococci* or HUB or *Legionella* plus HPC or *Enterococci*, *Pseudomonas*

### PRESERVATION

Sterile Bottle, Sodium Thiosulfate ( $\text{Na}_2\text{S}_2\text{O}_3$ )  
Chill to  $\leq 6^\circ\text{C}$

### HOLDING TIMES

24 hours  
(*Legionella* 48 hours)



Samples should be delivered to the lab within 12 hours of sampling where possible. All Microbiological samples must indicate **Date and Time** sampled.



0024012200001



CLIENT / REF: .....

SAMPLED BY: .....

SAMPLE ID: .....

DATE / TIME: .....

Major analyte:

## BACTERIOLOGICAL TESTS

in fresh and chlorinated water

This container is sterile and contains trace amounts of NON HAZARDOUS SODIUM THIOSULFATE

024
v2



# Sample bottle guide V1.8

## INDEX



## Oil & Grease

## #050

### SAMPLE CONTAINER

- 250mL Wide Mouth Amber Glass Jar

### ANALYTES

Oil & Grease

### PRESERVATION

Sodium Bisulfate  
Chill to  $\leq 6^{\circ}\text{C}$

### HOLDING TIMES

28 days



Additional bottles are required for Lab QC (dups & matrix spikes).



Client / Ref: \_\_\_\_\_



Sampled by: \_\_\_\_\_

Sample ID: \_\_\_\_\_

Date / Time: \_\_\_\_\_

Major analyte:

**Oil & Grease**

This bottle contains: Sodium Bisulfate

**DANGER**

Corrosive solid

ALS: 277 Woodpark Rd, Smithfield NSW 2164  
Telephone: 02 8784 8555

050

V3



## INDEX



# Oxyhalides

# #057

### SAMPLE CONTAINER

- Pair of 40mL Amber Glass Vials with Teflon lined septa

### PRESERVATION

EDA (Ethylenediamine)  
Chill to  $\leq 6^{\circ}\text{C}$

### ANALYTES

Oxyhalides

### HOLDING TIMES

14 days



Fill to zero headspace minimising exposure to air.

	Client / Ref: _____	
	Sampled by: _____	
	Sample ID: _____	
	Date / Time: _____	
	<b>Major analytes include:</b> <b>OXYHALIDES</b> This bottle contains: Ethylenediamine (EDA) <b>WARNING</b> Causes serious eye irritation	
	<b>ALS: 277 Woodpark Rd, Smithfield NSW 2164</b> <b>Telephone: 02 8784 8555</b>	
057		V3



## INDEX

### PFAS

### #062



### Soil, Sediment, Biosolid & Biota

#### SAMPLE CONTAINER

- Plastic (HDPE)  
Soil Jar

#### ANALYTES

PFAS

#### PRESERVATION

Nil  
Chill to  $\leq 6^{\circ}\text{C}$

#### HOLDING TIMES

180 days



200mL jar is sufficient for all routine soil analysis + one ASLP or TCLP leach. Two jars are recommended for multiple leachates.

 < 0062012200001 >	CLIENT / REF: .....		<b>Major analytes include:</b> <b>PFAS - in Soil, Sediment, Biosolid &amp; Biota</b> This jar contains no preservatives
	SAMPLED BY: .....		
	SAMPLE ID: .....		
	DATE / TIME: .....		
062			v2



## INDEX

# PFAS / TOF or Paraquat / Diquat

# #035



### SAMPLE CONTAINER

- Pair of 20 mL Plastic Bottles
- Pair of 125 mL Plastic Bottles

### ANALYTES

PFAS/TOF. This bottle is also suitable for Paraquat & Diquat

### PRESERVATION

Nil  
Chill to  $\leq 6^{\circ}\text{C}$

### HOLDING TIMES

**180 days**  
Paraquat & Diquat - **7 days**



2 additional pairs of bottles are required for Lab QC (dups & matrix spikes) out of every 10 samples submitted.

Avoid contact with teflon (e.g. tubing or bailers) for PFAS analysis.

 < 0035012200001 >	CLIENT / REF: .....	Major analytes include: <b>PFAS (TOF)</b> Contains no preservatives. Trace amounts of NON-HAZARDOUS SODIUM THIOSULFATE may be added to chlorinated water.
	SAMPLED BY: .....	
	SAMPLE ID: .....	
	DATE / TIME: .....	
	0035A	

 < 0035220100001 >	CLIENT / REF: .....
	SAMPLED BY: .....
	SAMPLE ID: .....
	DATE / TIME: .....
	Major analytes include: <b>PFAS, TOF, PARAQUAT, DIQUAT</b>
This container contains no preservatives however trace amounts of NON-HAZARDOUS SODIUM THIOSULFATE may be added to chlorinated water.	
035	v2



## INDEX

# Select Nutrients

# #010



### SAMPLE CONTAINER

- 60 mL Opaque Plastic Bottle

### ANALYTES

TKN/TP, TN, NOX, Ammonia, COD, or Total Phenolics

### PRESERVATION

Sulfuric Acid ( $H_2SO_4$ )  
Chill to  $\leq 6^\circ C$

### HOLDING TIMES

28 days



Total Phenolics requires separate 60mL bottle.  
Buchi Ammonia requires 2 x 60mL bottles.



Client / Ref: \_\_\_\_\_



Sampled by: \_\_\_\_\_

Sample ID: \_\_\_\_\_

Date / Time: \_\_\_\_\_



Major analytes include:  
NO<sub>x</sub>, TKN, Total P, Total N,  
Ammonia, COD or Total Phenolics

This bottle contains: Sulfuric acid

**DANGER**

Corrosive liquid

ALS: 277 Woodpark Rd, Smithfield NSW 2164

Telephone: 02 8784 8555



## INDEX



# Semivolatile Organics

# #040

### SAMPLE CONTAINER

- 100 mL Amber Glass Bottle with Teflon cap

### PRESERVATION

Nil  
Chill to  $\leq 6^{\circ}$

### ANALYTES

TPH/TRH/TRH-EPH(C10-C40) plus standard level PAH/Phenols/OC/OP/PCB/SVOC **or** Speciated TPH/TRH/TRH-EPH(C10-C40) **or** CWG TRH **or** UT OC/PCB/PAH in Non-chlorinated Water.

### HOLDING TIMES

7 days  
+ 40 days for extracts



Additional bottles are required for Lab QC (dups & matrix spikes).



0040081800001



**CLIENT / REF:** .....

**SAMPLED BY:** .....

**SAMPLE ID:** .....

**DATE / TIME:** .....

Major analytes include:  
TPH/TRH (C<sub>10</sub>-C<sub>40</sub>) *plus* standard level PAH/Phenols/OC/OP/PCB/SVOC  
*or* Speciated TPH/TRH (C<sub>10</sub>-C<sub>40</sub>) *or* CWG TRH  
*or* EPH (C<sub>10</sub>-C<sub>40</sub>) *plus* standard level PAH/OC/PCB  
in Non-Chlorinated Water

This bottle contains no preservatives

040v1



## INDEX



# Soil Parameters

# #026

### SAMPLE CONTAINER ANALYTES

- 150mL or 250mL jar with Teflon lined lid

All parameters excluding ASS, Sizings & Asbestos.  
Please provide separate jars for Dioxins, PBDEs, Explosives, ZHE Extracts or Herbicides.

### PRESERVATION

Nil  
Chill to  $\leq 6^{\circ}\text{C}$

### HOLDING TIMES

Inorganics generally:  
**7-28 days;**  
Mercury & Hex' Chromium: **28 days**  
VOC/SVOC: **7-14 days**  
Other Metals: **6 months**



150 mL jar is sufficient for all routine soil analysis + one ASLP or TCLP leach. Two jars are recommended for multiple leachates. Additional separate container required for Zero Headspace Extraction (ZHE) leachate. Soil jars minus Teflon liner are suitable for PFAS.



< 0026081800001 >



Major analytes include:  
**SOIL PARAMETERS**  
Excl. Sizings, ASS, Asbestos & PFAS.  
Two jars required for multiple leachates.  
**This jar contains ZERO HEADSPACE REQUIRED (for volatile analysis)**

**CLIENT / REF:** .....

**SAMPLED BY:** .....

**SAMPLE ID:** .....

**DATE / TIME:** .....

026

v2



## INDEX



# Specialist Organics

# #005

### SAMPLE CONTAINER

- 500mL Amber Glass Bottle with Teflon lined cap.

### ANALYTES

UT Phenols or ST OC/PCB or ST PAH or UT Explosives or Nitrocellulose or UT Phenoxyacid Herbicides or Full Algal Toxins or TBT or UT Multires' EP234LL in Non-chlorinated Water. Pair for EP215-LL.

### PRESERVATION

Nil  
Chill to  $\leq 6^{\circ}\text{C}$

### HOLDING TIMES

**7 days + 40 days**  
for extracts, except  
Dioxins (1 year)



Additional bottles are required for lab QC (matrix spike or duplicate) except for Explosive-LL, Phenoxy's-LL and Nitrocellulose.

> **CLIENT / REF:** .....

**SAMPLED BY:** .....

**SAMPLE ID:** .....

**DATE / TIME:** .....





0005072300001

**Major analytes include:**

UT Phenols or Super Trace OC/PCB or Super Trace PAH or UT Explosives or Nitrocellulose or UT Herbicides or UT Multi Residue Pesticides (EP234LL) or Full Algal Toxins or TBT in Non-Chlorinated Water. (One or two bottles required - see Sample Bottle Guide)

**This bottle contains no preservatives**

005v2



## INDEX



# Specialist Organics

# #055

### SAMPLE CONTAINER

- 100mL Amber Bottle with Teflon lined cap
- 500mL Amber Glass Bottle with Teflon lined cap

### PRESERVATION

Sodium Thiosulfate ( $\text{Na}_2\text{S}_2\text{O}_3$ )  
Chill to  $\leq 6^\circ\text{C}$

### ANALYTES

**100mL bottle:**  
Low Level Pesticides (EP234LL), PPCPs, Full Algal Toxins in CHLORINATED WATER

**500mL bottles:**  
UT PAH/Phenols  
UT OC/OP/PCB  
UT Herbicides

**2 x 500mL bottles:**  
Steroids or Nitrosamines

### HOLDING TIMES

7 days  
30 days at  $\leq 6^\circ\text{C}$  (Algal Toxins)



Additional bottles are required for Lab QC (dups & matrix spikes). Prompt return to the laboratory is essential.

 0055072300001	CLIENT / REF: .....	
	SAMPLED BY: .....	
	SAMPLE ID: .....	
	DATE / TIME: .....	
<b>Major analytes include:</b> Specialist Organics including Nitrosamines <i>or</i> UT PAH/Phenols <i>or</i> UT OC/OP/PCB <i>or</i> Low Level Pesticides (EP234LL) <i>or</i> UT Herbicides <i>or</i> Steroids & PPCPs <i>or</i> Full Algal Toxins in Chlorinated Water. (One or two bottles required - see Sample Bottle Guide)		
<b>This bottle contains trace amounts of NON HAZARDOUS SODIUM THIOSULFATE</b>		
055		v3



## INDEX



# Specialist Organics – LCMS

# #032

### SAMPLE CONTAINER

- 100mL Amber Glass Bottle with Teflon cap

### ANALYTES

Standard Level LCMS incl' Multi Pesticides (EP234) + Herbicides + Fosamine + Acrylamide + Amitrole + EDTA + Glyphosate **or** Amitrole-LL **or** Explosives + Perchlorate + **or** Algal Toxins (Cylindro'/Deoxy') **or** PPCPs from non-chlorinated water.

### PRESERVATION

Nil  
Chill to  $\leq 6^{\circ}$

### HOLDING TIMES

**7 days + 40 days**  
for extracts or **7 days**



Additional bottles required for Lab QC for Amitrole-LL only.



0032072300001



**CLIENT / REF:** .....

**SAMPLED BY:** .....

**SAMPLE ID:** .....

**DATE / TIME:** .....

Major analytes include:  
Standard LCMS incl': Multi' Pesticides (EP234) + Herbicides + Glyphosate + Acrylamide  
or EDTA/NTA + Ethanolamines or Explosives + Perchlorate or Cylindro/Deoxy  
Algal Toxins or PPCP's, in **Non-Chlorinated Water.**

**This bottle contains no preservatives**

032v2



# Sample bottle guide

V1.8

## INDEX



# Sulfide

# #003

### SAMPLE CONTAINER

- 125mL Plastic Bottle

### PRESERVATION

Zinc Acetate + Sodium Hydroxide (NaOH)  
Chill to  $\leq 6^\circ$

### ANALYTES

Sulfide or Dissolved Sulfide/UHS (Unionised Hydrogen Sulfide) - Pre-Treatment required.

### HOLDING TIMES

7 days



**Fill to Zero Headspace** minimising exposure to air.

*Dissolved Sulfide: Add sample to an ALS 'Light-Blue' bottle #001, dose with Aluminium Chloride (ALS bottle #063), stand 5 to 15 minutes then decant supernatant into the sulfide bottle.*





**Client / Ref:** \_\_\_\_\_

**Sampled by:** \_\_\_\_\_

**Sample ID:** \_\_\_\_\_

**Date / Time:** \_\_\_\_\_



**Major analytes:**  
**Sulfide or Dissolved Sulfide & Un-ionised Hydrogen Sulfide (UHS)**  
 This bottle contains: Sodium hydroxide solution & Zinc acetate

**DANGER**  
Corrosive liquid

*Tick if applicable:*  
 **Flocculated for UHS / Dissolved Sulfide analysis**

**ZERO HEADSPACE REQUIRED**

**ALS : 277 Woodpark Rd, Smithfield NSW 2164**  
**Telephone: 02 8784 8555**

003

v2



## INDEX

### Sulfide Pre-treatment #063 Solution–Aluminium Chloride Solution (AlCl<sub>3</sub>)



#### SAMPLE CONTAINER

- 60mL Plastic Bottle

#### ANALYTES

Pre-treatment for  
Unionized Hydrogen Sulfide/  
Dissolved Sulfide

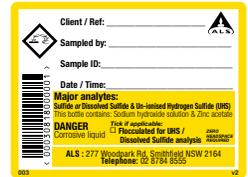
#### PRESERVATION

AlCl<sub>3</sub>

#### HOLDING TIMES



Sampling instructions  
provided on the  
LIGHT BLUE bottle  
label.



### Aluminium Chloride Solution (AlCl<sub>3</sub>) for the flocculation of samples to be analysed for UNIONISED HYDROGEN SULFIDE / DISSOLVED SULFIDE



To be used in conjunction with the LIGHT BLUE pre-treatment bottle  
and the YELLOW Sulfide bottle.

Sampling instructions are provided on the LIGHT BLUE bottle.

This bottle contains: Aluminium chloride solution

**WARNING**

**Irritant**

ALS: 277 Woodpark Rd,  
Smithfield NSW 2164  
Telephone: 02 8784 8555



## INDEX



# Sulfide Pre-treatment #001 for Dissolved/ Un-ionised Hydrogen Sulfide

### SAMPLE CONTAINER

- 250mL Opaque Plastic Bottle

### PRESERVATION

Sodium Hydroxide Solution

### ANALYTES

Un-ionised Hydrogen Sulfide (UHS)

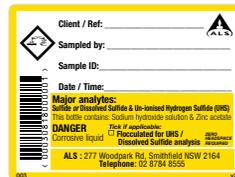
### HOLDING TIMES



### Fill to Zero Headspace

minimising exposure to air.

Follow pre-treatment procedure outlined on the bottle label for Dissolved or UHS Sulfide. Submit sample in the YELLOW labelled container. Do not submit sample in the LIGHT BLUE labelled container.





## Pre-treatment Bottle for the flocculation of samples to be analysed for UNIONISED HYDROGEN SULFIDE / DISSOLVED SULFIDE



**Procedure:**

1. Fill this bottle to the brim with sample leaving 0.5mL space at the top.
2. Immediately add 0.5mL (10 drops) of AlCl<sub>3</sub> solution. (supplied separately), carefully ensure zero headspace, sample should reach top of the bottle neck.
3. Cap bottle ensuring there are no air bubbles.
4. Swirl vigorously for 1 minute or longer to flocculate the contents.
5. Allow to settle for 5 - 10 minutes until a reasonably clear supernatant can be drawn.  
**DO NOT** wait longer than necessary for flocculation.
6. Transfer the supernatant into the **YELLOW** zinc acetate preserved bottle to submit to ALS for analysis.
7. Mark the appropriate tick box on the **YELLOW** bottle as Flocculated (UHS/Dissolved Sulfide)
8. This pre-treatment bottle can be disposed of responsibly or returned to ALS for disposal.

**NOTE:** If UHS is required, a **field pH, EC and temperature** reading should be submitted to the laboratory with the samples.

This bottle contains: Sodium Hydroxide Solution  
 DANGER  
 Corrosive Liquid

ALS: 277 Woodpark Rd, Smithfield NSW 2164  
 Telephone: 02 8784 8555



## INDEX



# Sulfite & Thiosulfate

# #009

### SAMPLE CONTAINER

- 250mL Plastic Bottle

### ANALYTES

Sulfite  
Thiosulfate

### PRESERVATION

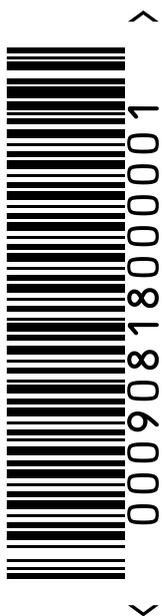
EDTA + Zinc Acetate  
Chill to  $\leq 6^{\circ}\text{C}$

### HOLDING TIMES

2 days



**Fill to Zero Headspace**  
minimising exposure to air.



CLIENT / REF: .....



SAMPLED BY: .....

SAMPLE ID: .....

DATE / TIME: .....

Major analytes:

**SULFITE and THIOSULFATE**

ZERO  
HEADSPACE  
REQUIRED

This bottle is preserved with traces of **NON HAZARDOUS**  
**ZINC ACETATE / EDTA SOLUTION**



## INDEX

### Surfactants

### #008



#### SAMPLE CONTAINER

- 100mL Bottle (MBAS Surfactants & Ethoxylates)
- 500mL Bottle (NIS Surfactants + Above Tests)

#### ANALYTES

Anionic Surfactants (MBAS)  
Non-Ionic Surfactants (NIS)  
Alkyl-Phenyl Ethoxylates (APE)

#### PRESERVATION

Nil  
Chill to  $\leq 6^{\circ}\text{C}$

#### HOLDING TIMES

2 days



**Fill to Zero Headspace** minimising exposure to air.  
*Additional bottles are required for Lab QC (dups & matrix spikes). Formaldehyde may be added upon receipt to extend holding times.*

**CLIENT / REF:** .....

**SAMPLED BY:** .....

**SAMPLE ID:** .....

**DATE / TIME:** .....

Major analytes:  
**SURFACTANTS (MBAS, NIS), ETHOXYLATES**

This bottle may contain formaldehyde or it may be unpreserved with formaldehyde added upon receipt at the laboratory.

**LABORATORY USE:**  Formaldehyde added upon receipt.

**DANGER:** Formaldehyde  
Causes severe skin burns and eye damage, toxic if swallowed or inhaled, toxic to aquatic life.

**ALS:** 277 Woodpark Rd, Smithfield NSW  
**Telephone:** 02 8784 8555

008v1



## INDEX



# Thiocyanate

# #058

### SAMPLE CONTAINER

- 250mL Opaque Plastic Bottle

### ANALYTES

Thiocyanate

### PRESERVATION

Sulfuric Acid ( $H_2SO_4$ )  
Chill to  $\leq 6^\circ C$

### HOLDING TIMES

6 months



Client / Ref: \_\_\_\_\_



Sampled by: \_\_\_\_\_

Sample ID: \_\_\_\_\_

Date / Time: \_\_\_\_\_



Major analytes include:

**THIOCYANATE**

This bottle contains: Sulfuric acid

**DANGER**

Corrosive liquid

ALS: 277 Woodpark Rd, Smithfield NSW 2164

Telephone: 02 8784 8555



# Sample bottle guide

V1.8

## INDEX



## TOC/DOC

## #018

### SAMPLE CONTAINER

- 40mL Amber Glass Vials with Teflon lined Septa

### ANALYTES

TOC (or NPOC)  
or DOC (or NPDOC)

### PRESERVATION

Sulfuric Acid ( $H_2SO_4$ )  
Chill to  $\leq 6^\circ C$

### HOLDING TIMES

28 days



**Field filtration is mandatory for DOC and NPDOC!**

(confirm by COC & ticking label).



Client / Ref: \_\_\_\_\_



Sampled by: \_\_\_\_\_

Sample ID: \_\_\_\_\_

Date / Time: \_\_\_\_\_

(✓ TICK REQUIRED TEST)



Major analyte:  
TOC (or NPOC)   
OR DOC (or NPDOC)  (Field Filtered)  
This bottle contains: Sulfuric acid  
**DANGER**  
Corrosive liquid

ALS: 277 Woodpark Rd, Smithfield NSW 2164  
Telephone: 02 8784 8555



## INDEX

# Ultra Trace Nutrients #031

## Catchment monitoring



### SAMPLE CONTAINER

- 60mL Opaque Plastic Bottle

### ANALYTES

- Reactive P
- Nitrate
- Nitrite
- Ammonia

### PRESERVATION AND HOLDING TIMES

NIL, filter and chill to  $\leq 6^{\circ}\text{C}$  or filter and freeze. See below.



#### Reactive P, Ammonia

- Filtered - 1 day
- Filtered + frozen - 28 days

#### Nitrate, Nitrite, NOx

- Filtered - 4 days
- Filtered + frozen - 4 days



If testing Reactive P or Ammonia submit samples to the laboratory within 12 hours of sampling.

**CLIENT / REF:** .....

**SAMPLED BY:** .....

**SAMPLE ID:** .....

**DATE / TIME:** .....

Ultra Trace Nutrients for Catchment Monitoring

**Reactive P, Nitrate, Nitrite, Ammonia**

(✓ TICK WHERE APPROPRIATE)

Field Filtered

Submitted to the analysing lab in < 12 hours

Submitted frozen or submitted <24 hours from sampling and frozen by ALS upon receipt

031
V1



## INDEX



# Ultra Trace Nutrients

# #036

## Catchment monitoring

### SAMPLE CONTAINER

- 60mL Opaque Plastic Bottle

### ANALYTES

Total Nitrogen  
Total Phosphorous

### PRESERVATION

Nil  
Freeze or Chill to  $\leq 6^{\circ}\text{C}$  and submit to laboratory within 24 hours

### HOLDING TIMES

1 day  
Frozen - 28 days



Bottle can be used for other tests that do not require a glass or sterile container.

**CLIENT / REF:** .....

**SAMPLED BY:** .....

**SAMPLE ID:** .....

**DATE / TIME:** .....

**Ultra Trace Nutrients for Catchment Monitoring**

**Total Nitrogen & Total Phosphorous**

(✓ TICK WHERE APPROPRIATE)

Submitted to the analysing lab in < 12 hours

Submitted frozen or submitted <24 hours from sampling and frozen by ALS upon receipt

036
V1



## INDEX



# VOC

# #016

### SAMPLE CONTAINER

- Pair of 40mL Amber Glass Vials with Teflon lined Septa

### PRESERVATION

Sulfuric Acid (H<sub>2</sub>SO<sub>4</sub>)  
Chill to ≤6°C

### ANALYTES

TPH/TRH (C<sub>6</sub>-C<sub>10</sub>) plus BTEX, BTEXN, VOCs (MAHs, VHC & THMs) **or** Alcohols **or** 1,4-Dioxane, Acrylonitrile & Pyridine **or** Methane plus gases

### HOLDING TIMES

7 to 14 days



### Fill to Zero Headspace

minimising exposure to air.

*Hydrochloric acid and sodium bisulfate are acceptable preservatives for VOCs.*

Sodium Bisulfate Preserved option.



Client / Ref: \_\_\_\_\_



Sampled by: \_\_\_\_\_

Sample ID: \_\_\_\_\_

Date / Time: \_\_\_\_\_



**Major analytes include:**  
TPH/TRH (C<sub>6</sub>-C<sub>10</sub>) plus BTEX, BTEXN, VOCS or Alcohols or Gases etc, in non-chlorinated water. (see Sample Bottle Guide)

This bottle contains: Sulfuric acid

**DANGER**  
Corrosive liquid

**ZERO HEADSPACE REQUIRED**

**ALS: 277 Woodpark Rd, Smithfield NSW 2164**  
**Telephone: 02 8784 8555**



## INDEX



# VOC

# #029

### SAMPLE CONTAINER

- Pair of 40mL Amber Glass Vials with Teflon lined Septa

### PRESERVATION

Sodium Bisulfate (NaHSO<sub>4</sub>)

### ANALYTES

TPH/TRH (C<sub>6</sub>-C<sub>10</sub>) plus BTEX, BTEXN, VOCs (MAHs, VHC & THMs) or Alcohols or 1,4-Dioxane, Acrylonitrile & Pyridine or Methane plus gases

### HOLDING TIMES

7 to 14 days



Fill to Zero Headspace minimising exposure to air.



**Client / Ref:** \_\_\_\_\_



**Sampled by:** \_\_\_\_\_

**Sample ID:** \_\_\_\_\_

**Date / Time:** \_\_\_\_\_

**Major analytes include:**  
TPH / TRH (C<sub>6</sub>-C<sub>10</sub>) plus BTEX, BTEXN, VOCs,  
Alcohols, Gases etc.  
This bottle contains: Sodium Bisulfate  
**DANGER**  
Corrosive solid

ZERO HEADSPACE REQUIRED

**ALS: 277 Woodpark Rd, Smithfield NSW 2164**  
**Telephone: 02 8784 8555**

029v3



## INDEX



# VOCs #043 (including THMs) in Chlorinated Water

### SAMPLE CONTAINER

- Pair of 40mL Glass Vials with Teflon lined Septa

### ANALYTES

Trihalomethanes (THMs)

### PRESERVATION

Sodium Thiosulfate  
Chill to  $\leq 6^{\circ}\text{C}$

### HOLDING TIMES

7 days



**Fill to Zero Headspace** minimising exposure to air.



0043012200001

CLIENT / REF: ..... 

SAMPLED BY: .....

SAMPLE ID: .....

DATE / TIME: .....

Major analytes include:  
**VOCs (including THMs) in Chlorinated Water**

**This bottle contains trace amounts of  
NON HAZARDOUS SODIUM THIOSULFATE**

043 v2



right solutions.  
right partner.