













| Lab                | Analysis                 | Bottle                                                                              | Bottle Name                       | Preservative                           | Sampling Instructions                                                             | Storage Instructions | Minimum Sample Required, Exceptional Circumstances only                              |
|--------------------|--------------------------|-------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|-----------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------|
| General Chemistry  | Biological Oxygen Demand |    | 1L PET Bottle                     | None                                   | Rinse once with water to be sampled and fill completely                           | Refrigerate at 5±3°C | 280mL                                                                                |
|                    | Chemical Oxygen Demand   |                                                                                     |                                   |                                        |                                                                                   |                      | 2mL                                                                                  |
|                    | Nutrients (ISP)          |                                                                                     |                                   |                                        |                                                                                   |                      | 4mL                                                                                  |
|                    | Suspended Solids         |                                                                                     |                                   |                                        |                                                                                   |                      | 200mL                                                                                |
|                    | UV Transmittance         |                                                                                     |                                   |                                        |                                                                                   |                      | 4mL                                                                                  |
| General Chemistry  | Cyanide                  |    | ALS 130                           | 2.5ml of 20% Sodium Hydroxide solution | Do not rinse, Bottles are date stamped and must be used by the expiry date shown. | Refrigerate at 5±3°C | One full container                                                                   |
| General Chemistry  | Total Organic Carbon     |    | 30mL TOC Tube                     | None                                   | Rinse with water to be sampled and fill to the neck                               | Refrigerate at 5±3°C | 30mL                                                                                 |
|                    | Nutrients (ISP)          |                                                                                     |                                   |                                        |                                                                                   |                      | 4mL. Use this container instead of the 1L PET Bottle if Nutrients are required only. |
| External Chemistry | Anionic Detergents       |   | 250ML PET ALS Bottle STL105       | None                                   | Rinse once with water to be sampled and fill completely.                          | Refrigerate at 5±3°C | 250ml                                                                                |
| External Chemistry | Non-ionic detergents     |  | 500ML PET Bottle ALS Bottle STL13 | None                                   | Rinse once with water to be sampled and fill completely                           | Refrigerate at 5±3°C | 500ml                                                                                |

|                    |                     |                                                                                   |                                        |      |                        |                      |       |
|--------------------|---------------------|-----------------------------------------------------------------------------------|----------------------------------------|------|------------------------|----------------------|-------|
| External Chemistry | Cationic Detergents |  | Amber Glass Bottle<br>ALS Bottle STL22 | None | Fill to at least 100ml | Refrigerate at 5±3°C | 100ml |
| External Chemistry | Tritium Activity    |  | 500mL PET Bottle                       | None | Fill bottle completely | Refrigerate at 5±3°C | 500ml |

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|--------------------|----------------|-------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------|
| External Chemistry | Radioactivity  |    | 1L Container for Radioactivity | None                                                               | Fill completely                                                                                                                                                                                                                     | Refrigerate at 5±3°C | 1L                                                      |
| External Chemistry | Sulphide       |    | 60mL Sulphide Bottle           | 1mL 0.5M Zinc Acetate and 1mL 0.75M Sodium Carbonate must be added | The bottles are date stamped and must be used by the expiry date shown. Do not rinse. Fill bottle until almost full. Add 1mL Sodium Carbonate (0.75M) and mix. Add 1mL Zinc Acetate (0.5M) and mix.                                 | Refrigerate at 5±3°C | 60mL                                                    |
| External Chemistry | Radiochemistry |    | 5l Plastic Bottle              | None                                                               | Fill to top                                                                                                                                                                                                                         | Refrigerate at 5±3°C | 5L                                                      |
| External Chemistry | Radon          |   | 500mL Radon Bottle             | None                                                               | Fill completely. The container, once sealed, should be inverted. The inverted bottle should not show any air. Radon analyses are only accepted on Wednesdays. Samples should not be taken earlier than a Tuesday of any given week. | Refrigerate at 5±3°C | 500mL                                                   |
| External Chemistry | Oxidisability  |  | 500mL PET Bottle               | None                                                               | Fill bottle completely                                                                                                                                                                                                              | Refrigerate at 5±3°C | 500mL                                                   |

Indicates a critical sample - Analysis will be cancelled if sampling criteria is not met