

**MCL2283 - SCIENTIFIC SERVICES CUSTOMER
BOTTLE GUIDES / BOTTLE REQUEST FORM - VERSION: 41**



**SCIENTIFIC SERVICES CUSTOMER
SAMPLE BOTTLE GUIDE**


Waste Water and Sludge Sampling Bottles

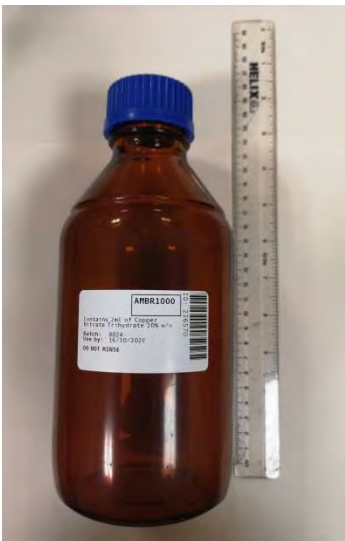
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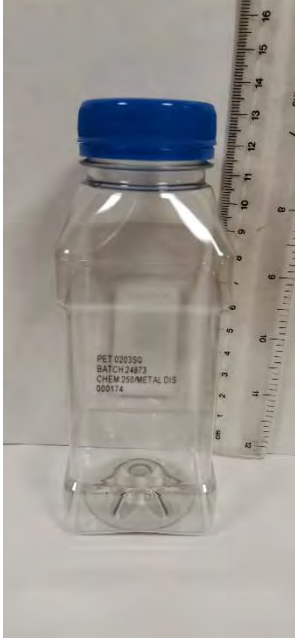
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Waste Water Sample Bottles

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|---|--|
|  | <p>ALS026</p> <p>Description:</p> <p>60ml Glass Bottle – White Capped</p> <p>Treated: - Yes</p> <p>0.6ml of 0.0167M Potassium Bromate/Bromide solution and 0.6ml of 36.5-38% Hydrochloric Acid solution</p> <p>Associated Tests: -</p> <p>METHG, METHGSOL, METHG_LR,</p> <p>Directions for Use: -</p> <ul style="list-style-type: none">• Remove lid only just before sampling• Fill bottle slowly• Do not rinse• The bottles are date stamped and must be used by the expiry date shown <p>Deliver to Lab Within: - 72 hours</p> |
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|  | <p>AMBR1000</p> <p>Description:</p> <p>1000ml Amber Glass Duran Bottle – Blue Capped</p> <p>Treated: - Yes</p> <p>Copper Nitrate</p> <p>Associated Tests: -</p> <p>PAH_CIP, PAH_GCMS, STEROIDS, PBDE and TRICLOSAN in wastewaters and trade effluents.</p> <p>Directions for Use: -</p> <p>Fill to 1 litre glass ridge only – Do not fill completely. Refrigerate sample once taken</p> <p>Deliver to Lab Within: - 72 hours</p> |
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ANION2

Description: -

250ml Square Clear Plastic – Blue Capped

Treated: - No

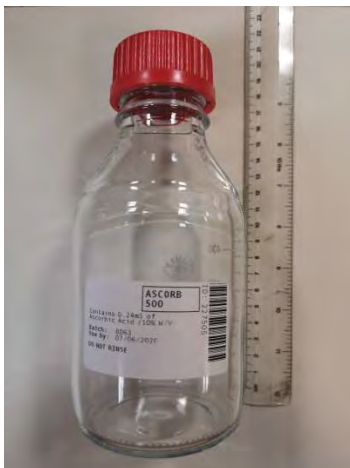
Associated Tests: -

Fluoride & Sulphate

Directions for Use: -

Fill completely
Refrigerate sample once taken

Deliver to Lab Within: - 72 hours



ASCORB_500

Description: -

500ml Glass Duran Bottle – Red Capped

Treated: - Yes

Ascorbic Acid

Associated Tests: -

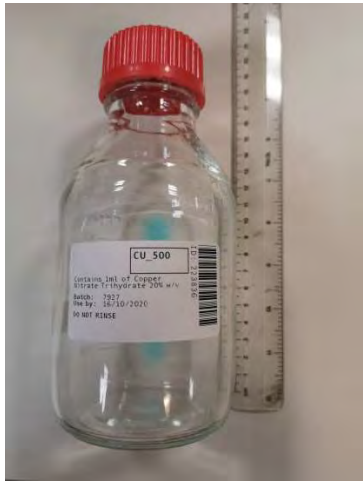
Di(2-ethylhexyl)phthalate

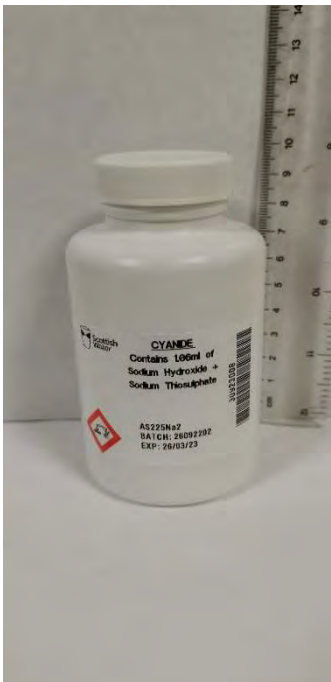
Directions for Use: -

Fill completely
Refrigerate sample once taken


Deliver to Lab Within: - 72 hours


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|  | <p>CU_500</p> <p>Description: -</p> <p>500ml Glass Duran Bottle – Red Capped</p> <p>Treated: - Yes</p> <p>Copper Nitrate</p> <p>Associated Tests: -</p> <p>Phenols in wastewaters & trade effluent</p> <p>Directions for Use: -</p> <p>Fill completely Refrigerate sample once taken</p> <p>Deliver to Lab Within: - 72 hours</p> |
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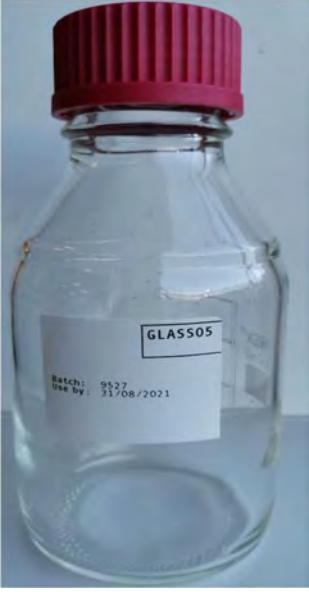
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|  | <p>CYANIDE</p> <p>Description: -</p> <p>250ml White Plastic Bottle- White Capped</p> <p>Treated: - Yes</p> <p>Sodium Hydroxide & Sodium Thiosulphate</p> <p>Associated Tests: -</p> <p>Total Cyanide, Anionic Detergents</p> <p>Directions for Use: -</p> <p>Fill completely, Do Not Rinse Bottles are date stamped and must be used by the expiry date Refrigerate sample once taken</p> <p>Deliver to Lab Within: - 72 hours</p> |
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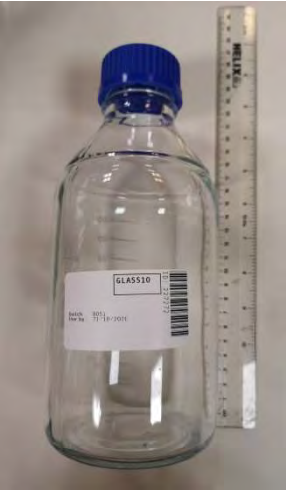
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|  | <p>EPA (2-7)</p> <p>Description: -</p> <p>40ml Amber Glass Vial – Blue Capped</p> <p>Treated: - Yes</p> <p>Sodium Thiosulphate</p> <p>Associated Tests: -</p> <p>EPA2 – VOCS EPA3 – Alcohols EPA4 – Furfural EPA7 – CHLOROMETH</p> <p>Directions for Use: -</p> <p>Fill to top without overflowing leaving no headspace, ensure no air bubbles remain after filling, Do Not Rinse Bottles are date stamped and must be used by the expiry date Refrigerate sample once taken</p> <p>Deliver to Lab Within: - 72 hours</p> |
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|  | <p>GEN</p> <p>Description: -</p> <p>1 Litre Square Plastic Bottle - White Capped</p> <p>Treated: - No</p> <p>Associated Tests: -</p> <p>Subcontracted nutrients</p> <p>Directions for Use: -</p> <p>Fill completely, Do Not Rinse Refrigerate sample once taken</p> <p>Deliver to Lab Within: - 24 hours</p> |
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|  | <p>GLASS05</p> <p>Description: -</p> <p>500 mL Glass Duran Bottle – Red Capped</p> <p>Treated: - No</p> <p>Associated Tests: -</p> <p>Total Petroleum Hydrocarbons (TPH_GCFID) & GCMS_SCAN (waste matrices only) Except Sludge</p> <p>Directions for Use: -</p> <p>Fill to ridge of bottle</p> <p>Refrigerate sample once taken</p> <p>Deliver to Lab Within: - 72 hours</p> |
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|  | <p>GLASS10</p> <p>Description: -</p> <p>1 litre Glass Duran Bottle – Blue Capped</p> <p>Treated: - No</p> <p>Associated Tests: -</p> <p>Organotin, APES.</p> <p>Directions for Use: -</p> <p>Do not fill above 1 litre line</p> <p>Refrigerate sample once taken</p> <p>Deliver to Lab Within: - 72 hours</p> |
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|  | <p>METALS_LR</p> <p>Description: -</p> <p>250ml Square Clear Plastic – Blue Capped</p> <p>Treated: - No</p> <p>Associated Tests: -</p> <p>Total metals associated with Low Range Total Metals analysis.</p> <p>Directions for Use: -</p> <p>Fill completely,</p> <p>Deliver to Lab Within: - 48 hours</p> |
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|  | <p>METSOL_LR</p> <p>Description: -</p> <p>500ml Square Clear Plastic – Blue Capped</p> <p>Treated: - No</p> <p>Associated Tests: -</p> <p>Low Range Dissolved Metals (except Hg) for Final Effluent and Raw Water matrices.</p> <p>Directions for Use: -</p> <p>Fill completely (Samples to be filtered on arrival at lab)</p> <p>Deliver to Lab Within: - 48 hours</p> |
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| | <p>MICROT_NP</p> <p>Description: -</p> <p>500ml Clear Plastic Sterile (labelled) Bottle – Red Capped</p> <p>Treated: - Yes</p> <p>Sodium Thiosulphate</p> <p>Associated Tests: -</p> <p>Coliforms, E.coli, Faecal Strep, Clostridia perfringens, 22°C Plate Counts, 37°C Plate Counts & Pseudomonas aeruginosa, and Bacterial Flow Cytometry</p> <p>Directions for Use: -</p> <p>Fill to base of neck, Do Not Rinse Bottles are date stamped and must be used by the expiry date Refrigerate sample once taken</p> <p>Deliver to Lab Within: - 24 hours</p> |
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| | <p>NONDET</p> <p>Description: -</p> <p>250ml Square Clear Plastic – – Blue Capped</p> <p>Treated: - No</p> <p>Associated Tests: -</p> <p>Non-Ionic Detergents</p> <p>Directions for Use: -</p> <p>Fill completely Refrigerate sample once taken</p> <p>Deliver to Lab Within: - 72 hours</p> |
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ORGSUB-1 & ORGSUB-3

Description: -

1litre Amber Glass Bottle – Opaque Cap

Treated: - No

Associated Tests: -

Acetaldehyde, Biphenyl, Phenylether, Cyclohexane & Dimethanol, and Eulans + Furons

Directions for Use: -

Fill completely

Deliver to Lab Within: - 48 hours



PEST 500

Description: -

500ml Glass Duran Bottle – Red Capped

Treated: -Yes

Sodium Thiosulphate

Associated Tests: -

Waste Organochlorine Pesticides, Organophosphorus Pesticides, Pyrethroids and PCB's
(W_PEST_PCB)

Directions for Use: -


Fill completely, Do Not Rinse


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

Refrigerate sample once take


Deliver to Lab Within: - 72 hours


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|  | <p>PESTP & NONP</p> <p>Description: -</p> <p>1 Litre Glass - PTFE top White Capped (NLS bottle)</p> <p>Treated: - No</p> <p>Associated Tests: -</p> <p>OSM_ORG_P & OSM_NONP</p> <p>Directions for Use: -</p> <p>Fill completely</p> <p>Deliver to Lab Within: - 48 hours</p> |
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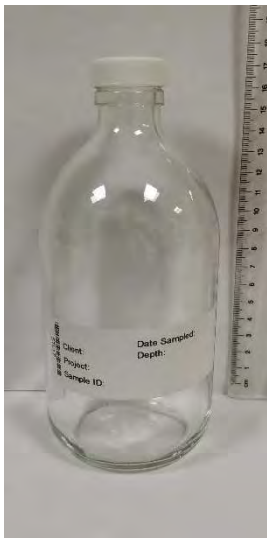
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|  | <p>PHEN</p> <p>Description: -</p> <p>250ml Round Glass with Stopper (NLS Bottle)</p> <p>Treated: - Yes</p> <p>Phen preservative</p> <p>Associated Tests: -</p> <p>OSM_PCP</p> <p>Directions for Use: -</p> <p>Fill to line Refrigerate sample once taken</p> <p>Deliver to Lab Within: - 72 hours</p> |
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|  | <p>SEM</p> <p>Description: -</p> <p>250ml Amber Glass Bottle – Blue Capped</p> <p>Treated: - No</p> <p>Associated Tests: -</p> <p>Total Fats, Oils & Greases, Solvent Extractable Material (hexane)</p> <p>Directions for Use: -</p> <p>Fill completely Refrigerate sample once taken</p> <p>Deliver to Lab Within: - 72 hours</p> |
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|  | <p>STL 13</p> <p>Bottles are listed in LIMS as STL13-1, STL13-2 denoting those separate bottles are required for different tests.</p> <p>Description: -</p> <p>1 Litre Square Plastic Bottle – White capped</p> <p>Treated: - No</p> <p>Associated Tests: -</p> <p>Total Nitrogen, CIP Tests for Total Phosphorus, Dissolved Phosphorus, BOD, COD, Soluble BOD, Soluble COD, pH, Suspended Solids, Ammonia, TON,</p> <p>Directions for Use: -</p> <p>Fill completely Refrigerate sample once taken</p> <p>Deliver to Lab Within: - 24 hours</p> |
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STL 17

Description: -

500ml Clear Glass Bottle – White Capped

Treated: - No

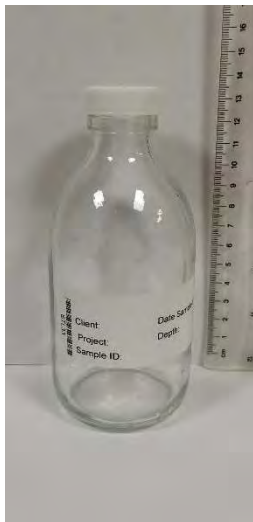
Associated Tests: -

Organotin, OSM_ORG_CL & OSM_ORGCYR

Directions for Use: -

Fill completely
Refrigerate sample once taken

Deliver to Lab Within: - 48 hours



STL 33

Description: -

250 ml clear glass round Bottle – White lid with PTFE liner

Treated: - No

Associated Tests: -

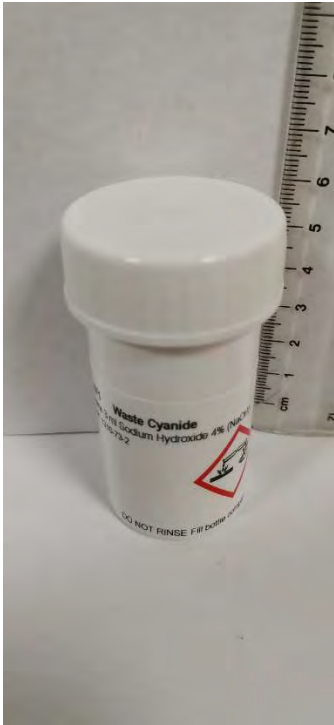
GLYCOLS, OSM_ORG_CL & OSM_ORGPYR

Directions for Use: -

Fill completely
Refrigerate sample once taken

Deliver to Lab Within: - 48 hours

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STL71

Description: -

60ml White Plastic Bottle – White Capped

Treated: - Yes

Sodium Hydroxide

Associated Tests: -

Subcontracted Total Cyanide and Free 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



STL72

Description: -

40ml clear glass vial with green lid.

Treated: - No

Associated Tests: -

DISS_METH

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: - 48 hours

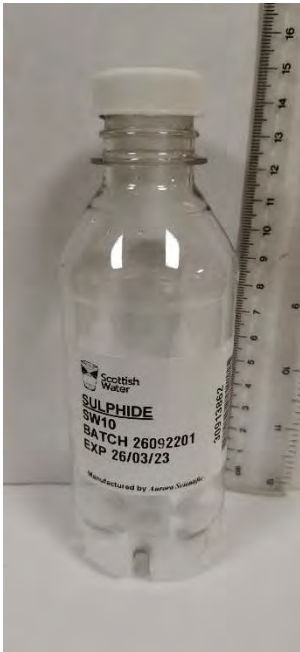
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|  | <p>STL102</p> <p>Description: -</p> <p>1Litre Plastic Bottle – White Capped</p> <p>Treated: - No</p> <p>Associated Tests: -</p> <p>Waste Inorganics analysis, General Inorganics, Metals (excluding Mercury analysis)</p> <p>Directions for Use: -</p> <p>One full container is required</p> <p>Deliver to Lab Within: - 72 hours</p> |
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|  | <p>STL114</p> <p>Description: -</p> <p>500ml Round Green Glass Bottle – Black Capped</p> <p>Treated: - Yes</p> <p>25ml of 6.25% 2-Chloroacetamide in Ultra-Resi analysed Methanol</p> <p>Associated Tests: -</p> <p>BDE, PAH, TBT, Cypermethrin, HBCDD</p> <p>Directions for Use: -</p> <p>Two containers are required</p> <p>Deliver to Lab Within: - 72 hours</p> |
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|  | <p>SUBCOVID19</p> <p>Description: - 250ml Opaque Polypropylene Bottle – White Capped</p> <p>Treated: - No</p> <p>Associated Tests: - SubCovid19</p> <p>Directions for Use: - Fill Completely</p> <p>Deliver to Lab Within: - 48 Hours</p> |
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|  | <p>SULPHIDE</p> <p>Description: - 250ml Square Clear Plastic – White Capped</p> <p>Treated: - Yes Sodium Carbonate & Zinc Acetate</p> <p>Associated Tests: - Sulphide & Soluble Sulphide</p> <p>Directions for Use: - Fill completely. Do not rinse</p> <p>Deliver to Lab Within: - 48 hours</p> |
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|  | TECHEM_STD & WWCHEM_STD |
| | Description: - |
| | 1 Litre Square Plastic Bottle – White Capped |
| | Treated: - No |
| | Associated Tests: - |
| | Alkalinity, Ammonia, BOD (Total, Settled & Soluble), Cationic Detergents, Chloride, COD (Total, Settled & Soluble), Colourimetric Phenols, Conductivity, Dry Solids, Formaldehyde, Free Cyanide, Hexachrome, Kjeldahl Nitrogen, Nitrate, Nitrite, Non-Anionic Detergents, pH, Redox Potential, Settlement, Soluble Reactive Phosphate, Sulphite, Suspended Solids, Settled Suspended Solids, TOC, TON, Total Solids, Total Dissolved Solids, Total Nitrogen & Volatile Solids |
| | Directions for Use: - |
| | Fill completely, Do Not Rinse Refrigerate sample once taken |
| | Deliver to Lab Within: - 48 hours |

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|  | WW_BOD_250 |
| | Description: - |
| | 250ml Square Clear Plastic – Blue Capped |
| | Treated: - No |
| | Associated Tests: - |
| | OSM BOD Final effluent back up. |
| | Directions for Use: - |
| | Fill completely. Refrigerate sample once taken |
| | Deliver to Lab Within: - 48 hours |

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WWCHEM_CRU

Description: -

1 Litre Square Plastic Bottle – Red Capped

Treated: - No

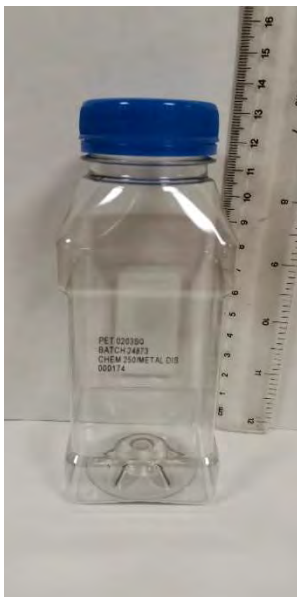
Associated Tests: -

Alkalinity, Ammonia, Ammonia Low Volume, BOD (Total, Settled & Soluble), Cationic Detergents, Chloride, COD (Total, Settled & Soluble), Colourimetric Phenols, Conductivity, Dry Solids, Formaldehyde, Free Cyanide, Hexachrome, Kjeldahl Nitrogen, Nitrate, Nitrite, Non-Anionic Detergents, pH, Redox Potential, Settlement, Soluble Reactive Phosphate, Sulphite, Suspended Solids, Settled Suspended Solids, TOC, TON, Total Solids, Total Dissolved Solids, Total Nitrogen & Volatile Solids

Directions for Use: -

Fill completely, Do Not Rinse. Refrigerate sample once taken

Deliver to Lab Within: - 48 hours



WW_METALS_DIS & WW_METALS

Description: -

250ml Square Clear Plastic – Blue Capped

Treated: - No

Associated Tests: -

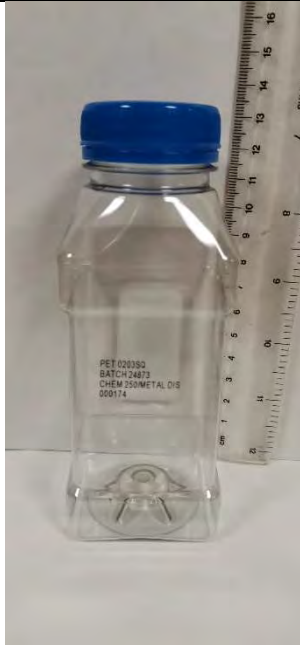
All dissolved wastewater metals except Mercury

Directions for Use: -

Fill completely

Deliver to Lab Within: - 48 hours

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WW_METALS (HCL)

Description: -

250ml Square Clear Plastic – Blue capped

Treated: - No

Associated Tests: -

Tin, Titanium

Directions for Use: -

Fill Half

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

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Sludge Sample Bottles

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|  | <p>ALE 218</p> <p>Description: -</p> <p>500ml Round Opaque Plastic Tub – Red Capped</p> <p>Treated: - No</p> <p>Associated Tests: -</p> <p>Total Sulphur in Sludges (Subcontracted)</p> <p>Directions for Use: -</p> <p>Fill completely Refrigerate sample once taken</p> <p>Deliver to Lab Within: - 24 hours</p> |
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|  | <p>EPA 2 & 3</p> <p>Description: -</p> <p>40ml Amber Glass Vial – Blue Capped</p> <p>Treated: - Yes</p> <p>Sodium Thiosulphate</p> <p>Associated Tests: -</p> <p>EPA2 = VOCS EPA3 = Alcohols</p> <p>Directions for Use: -</p> <p>Fill to top without overflowing leaving no headspace, ensure no air bubbles remain after filling. Do Not Rinse, Bottles are date stamped and must be used by the expiry date Refrigerate sample once taken</p> <p>Deliver to Lab Within: - 72 hours</p> |
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M_SLUDGE

Description: -

500ml Square Opaque Plastic Tub – White Capped

Treated: - No

Associated Tests: -

Coliforms, E.coli & Salmonella

Directions for Use: -

Fill completely
Refrigerate sample once taken

Deliver to Lab Within: - 24 hours



SLUDGE

Description: -

500ml Square Opaque Plastic Tub – White Capped

Treated: - No

Associated Tests: -


All Inorganic sludge tests and metals
(Separate ALE218 & STL20 bottles required for Sulphur and Fluoride analysis)


Directions for Use: -

Fill completely
Refrigerate sample once taken

Deliver to Lab Within: - 48 hours

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|  | <p>STL20</p> <p>Description: -</p> <p>500ml Square Opaque Plastic Tub – Red Capped</p> <p>Treated: - No</p> <p>Associated Tests: -</p> <p>Fluoride Analysis (subcontracted)</p> <p>Directions for Use: -</p> <p>Fill completely Refrigerate sample once taken</p> <p>Deliver to Lab Within: - 48 hours</p> |
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|  | <p>VFASLUDGE</p> <p>Description: -</p> <p>40ml Amber or clear Glass Vial – Blue Caped</p> <p>Treated: - No</p> <p>Associated Tests: -</p> <p>Volatile Fatty Acids</p> <p>Directions for Use: -</p> <p>Fill completely, Do Not Rinse Bottles are date stamped and must be used by the expiry date Refrigerate sample once taken</p> <p>Deliver to Lab Within: - 24 hours</p> |
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-----END OF WASTEWATER BOTTLE LIST-----