ASSET Laboratories

3151 W. Post Rd., Las Vegas, NV 89118 P: 702.307.2659 F: 702.307.2691 www.assetlaboratories.com

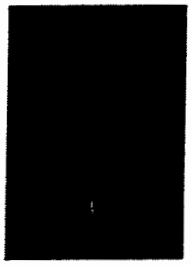
The following procedure is a step by step guide for field personnel in conducting field filtration for aqueous samples requiring Chromium Hexavalent analysis by EPA 218.6. Prior to sampling, obtain the Cr+6 filtration kit from the laboratory.

The filtration kit shall contain the following containers and consumables;
1 250 mL Poly Container (Wide Mouth)
1 125 mL Poly Container with Ammonium Buffer Solution.
2 .45 µm Filter (Luer Lock)
1 60 mL Syringe (Luer Lock Tip)

250 mL Poly Container (Wide Mouth)

125 mL Poly Container with Ammonium Buffer Solution.

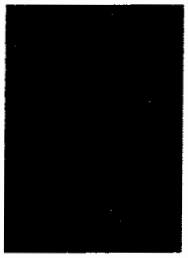
.45 µm Filter (Luer Lock)



60 mL Syringe (Luer Lock Tip)

1. When a representative sample is collected, proceed to filtration as soon as possible. Aspirate the sample from the Non-Preserved container.

2. Once the syringe is full, turn upright. Grab the filter and affixed to the luer lock tip of the syringe by twisting half turn or until tight. Do not over tighten as it may block the flow of water to the filter.



3. Turn the syringe downward and press the plunger gently to discard 3-5 mL of sample.

4. At a rate of 3 drops per second, gently push the sample through the filter and into the container with buffer solution preservative. When filter is clogged (harder to push) replace with a new filter, rinse by discarding 3-5 mL of sample. Then continue filtration to achieve the required volume.

5. Collect a minimum of 120 mL, put on the cap and label the sample accordingly. Put the sample inside a bag and into a cooler and maintain a temp of 0-6 °C. Accomplish Chain of Custody form and all related field documentation and ship the sample to the laboratory as soon as possible.

EXIBIT "FA"