



40CFR 122.21-Appendix D, Tables 2 & 3. Effluents containing Chlorine at the point of Sampling

Regulations specify the sample collection of your effluent should be at the completion of its treatment process. Both 24 hour Composite and Grab samples are required. Please collect samples as noted below and on the Chain-of-Custody. Also, there is testing required for Hardness on the receiving water, upstream from the point of discharge.

Effluent Composite **Metals(Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn)** **1-16oz Plastic**
Acid preservation will be performed upon arrival at the laboratory. Fill to neck of bottle and cap.

Effluent Composite **SVOC BNA by EPA 625** **2-1L Amber Glass**
Contains **Sodium Thiosulfate**. Fill to neck of bottle and cap.

Effluent Composite **Pesticides & PCBs by EPA 608** **2-1L Amber Glass**
Contains **Sodium Thiosulfate**. Fill to neck of bottle and cap.

Effluent Grab **VOA by EPA 624** **2-40ml Glass Vials**
Contains **Sodium Thiosulfate**. Carefully Fill the bottle until the water meniscus is above the rim of the bottle. Set the cap on top of the bottle. With your pointer finger, press the septum of the cap down onto the bottle. With thumb and middle finger, screw cap firmly onto bottle. Invert bottle and inspect for air bubbles, if present, remove cap, top off vial (do not pour out and start over) with additional sample and re-inspect for air bubbles. *Two filled VOA vials identified as "Trip Blanks" are included. Do not open these vials.*

Effluent Grab **Cyanide** **1-8oz Plastic**
(+ 1-8oz Plastic for preparation)

-First, slowly fill "Bottle 1", containing ~100mg **Sodium Thiosulfate crystals**, to neutralize chlorine. Carefully swirl bottle until the crystals have dissolved. Use this water to fill "Bottle 2", containing **Sodium Hydroxide**. "Bottle 2" labeled Sodium Hydroxide is the container submitted for analysis. "Bottle 1" containing the Sodium Thiosulfate should be discarded. It is not Hazardous.

Effluent Grab **Phenols** **1-250 Amber Glass**
Caution - Sample bottles contains **conc. Sulfuric Acid**. Fill to neck of bottle and cap.

If shipping the samples, please sign the "Relinquished by:" box at the bottom left side of the form. If delivering the samples in person, you may sign this form at the Laboratory. Samples must be received at the laboratory within two days of collection. All samples must be kept **refrigerated or packed in ice** from the time of sampling until receipt at the Laboratory. Several options are available if the samples are to be mailed. Please contact the Laboratory for suggestions. All coolers used to mail samples will be shipped to the return address. If you have any questions, or if we can be of any assistance to you, please feel, free to contact us.



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**40CFR 122.21-Appendix D, Table 2 & 3.
Effluents NOT containing Chlorine at the point of Sampling**

Regulations specify the sample collection of your effluent should be at the completion of its treatment process. Both 24 hour Composite and Grab samples are required. Please collect samples as noted below and on the Chain-of-Custody.

Effluent Composite **Metals(Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn)** **1-16oz Plastic**
Acid preservation will be performed upon arrival at the laboratory. Fill to neck of bottle and cap.

Effluent Composite **SVOC BNA by EPA 625** **2-1L Amber Glass**
Fill to neck of bottle and cap.

Effluent Composite **Pesticides & PCBs by EPA 608** **2-1L Amber Glass**
Fill to neck of bottle and cap.

Effluent Grab **VOA by EPA 624** **2-40ml Glass Vials**
Carefully Fill the bottle until the water meniscus is above the rim of the bottle. Set the cap on top of the bottle. With your pointer finger, press the septum of the cap down onto the bottle. With thumb and middle finger, screw cap firmly onto bottle. Invert bottle and inspect for air bubbles, if present, remove cap, top off vial (do not pour out and start over) with additional sample and re-inspect for air bubbles.
Two filled VOA vials identified as "Trip Blanks" are included. Do not open these vials.

Effluent Grab **Cyanide** **1-8oz Plastic**
Caution - Sample bottle contains **Sodium Hydroxide**. Fill to neck of bottle and cap.

Effluent Grab **Phenols** **1-250 Amber Glass**
Caution - Sample bottles contains **conc. Sulfuric Acid**. Fill to neck of bottle and cap.

If shipping the samples, please sign the "Relinquished by:" box at the bottom left side of the form. If delivering the samples in person, you may sign this form at the Laboratory. Samples must be received at the laboratory within two days of collection. All samples must be kept **refrigerated or packed in ice** from the time of sampling until receipt at the Laboratory. Several options are available if the samples are to be mailed. Please contact the Laboratory for suggestions. All coolers used to mail samples will be shipped to the return address. If you have any questions, or if we can be of any assistance to you, please feel, free to contact us.



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