



Synthetic Organic Chemical (SOC) Sampling **Instructions (IEPA)**

Full List (Includes M504, M515, M525.2, M531, M547, M548.1, M549.2, M550)

• PLEASE READ ALL INSTRUCTIONS BEFORE SAMPLE COLLECTION •

SOCs - contain the following:

- ▶ 3 - 1 Liter amber glass preserved with Sodium Sulfite for M525.2 (1 vial of Hydrochloric Acid is provided for each bottle to aid in preservation)
- ▶ 3 - 7ml clear glass vials with 3.5ml of Hydrochloric Acid to be added to the M525.2 (1 vial per M525.2 bottle)
- ▶ 1 - 60ml amber glass vial preserved with Sodium Thiosulfate + Monochloroacetic Acid Buffer for M531
- ▶ 1 - 1 Liter amber plastic preserved with Sodium Thiosulfate + Sulfuric Acid for M549
- ▶ 3 - 40ml clear glass vials preserved with Sodium Thiosulfate for M504
- ▶ 2 - 40ml clear glass preserved with Sodium Thiosulfate filled with Lab Pure Water and marked Trip Blank.
- ▶ 2 - 500ml amber glass preserved with Sodium Thiosulfate for M515.3 & M548
- ▶ 3 - 1 Liter amber glass preserved with Sodium Thiosulfate + Hydrochloric Acid for M550
- ▶ 1 - 150ml plastic unpreserved labeled Chlorine Check
- ▶ 1 - 60ml amber glass vial preserved with Sodium Thiosulfate for **M547

**M547 ONLY REQUIRED FOR WELL SITES, NOT REQUIRED FOR FINISHED TAP SITES.

“DO NOT EMPTY OR RINSE OUT PRESERVATIVE”

- 1.) Fill all M525.2 bottles from the same location listed on the COC **ALL THE WAY TO THE TOP OF THE FIRST THREAD**. Next, add one of the 3.5ml of Hydrochloric Acid to each of the 1 Liter amber glass bottles **COMPLETELY TO THE TOP!!** The acids vials are wrapped in the plastic bag with the COC. **NOTE THAT THESE ACIDS CAN BE DANGEROUS IF HANDLED IMPROPERLY. PLEASE RETURN ALL THE EMPTY ACID VIALS IN THE COC BAGGIE WITH YOUR SAMPLES.**
- 2.) Please fill the rest of the bottles completely to the top from the same location listed on the COC.
- 3.) Trip Blank vials are enclosed – **DO NOT OPEN OR FILL BOTTLES. Trip Blanks must accompany M504 sample vials at all times!** These trip blank vials will be analyzed at no cost to you to check for contamination in route.
- 4.) Identify samplers name, date and time collected and relinquished by on the COC.
- 5.) If you get any acid on your skin, flush with water for several minutes. If necessary, call your physician.
- 6.) Wrap the bottles securely in bubble wrap.

(Continued - See Additional Instruction on the other side)

- 7.) **Some methods must be analyzed within 7 days of collection. Please deliver samples within 48 hours of collection.**

- 8.) **See the required sample pre-cooling and cooling instructions for specific details to avoid costly re-samples due to improper temperature preservation.**

- 9.) **If you must ship the samples refrigerate them overnight OR place in an ice bath for 1 hour before shipping. They must arrive at the lab within the range of 0.1 - 6° Celsius (32.2 to 42.8 Fahrenheit). **DO NOT FREEZE** or the bottles will break!!**