



**Alloway**  
Your Resource for Defensible Data

## Sampling Instructions: Synthetic Organic Compounds (SOCs)

**CAUTION:** Bottles may contain a preservative. Handle with care. Do not rinse or overflow containers. Wear gloves when handling acids and caustic. If the preservative accidentally comes in contact with skin or clothing, rinse IMMEDIATELY and THOROUGHLY. Alloway assumes no responsibility for sampling procedures or for accidents that may occur while sampling.

**NOTE:** Flush out the piping between the tap and water main. The sample to be collected is intended to be representative of the water in the main. The tap must be opened fully and the water allowed to run for at least 3-5 minutes to provide adequate flushing of the piping between the tap and the water main.

Method 504.1 – Analytes of interest: Dibromochloropropane (DBCP) and Ethylene Dibromide (EDB). Fill three 40-mL vials containing sodium thiosulfate to the top, leaving NO HEADSPACE.

Method 508 – Analytes of interest: Aldrin, Chlordane, Dieldrin, Endrin, Heptachlor, Heptachlor Epoxide, Hexachlorbenzene, Hexachlorocyclopentadiene, Lindane, Methoxychlor, and Toxaphene. Fill two amber quarts containing sodium thiosulfate.

Method 515.1 – Analytes of interest: Dalapon, Dicamba, 2, 4-D, Dinoseb, Pentachlorophenol, Picloram, and 2,4, 5-TP (Silvex). Fill two amber quart bottles containing sodium thiosulfate.

Method 525.2 – Analytes of interest: Alachlor, Atrazine, Butachlor, Metolachlor, Metribuzin, Propachlor, Simazine, Benzo-a-pyrene, DI(2-ethyhexyl)adipate and DI(2-ethyhexyl)phthalate. Fill two amber quarts containing sodium sulfite. Add 3 mL of 1:1 HCl after filling container with sample.

Method 531.2 – Analytes of interest: Aldicarb, Aldicarb Sulfone, Aldicarb Sulfoxide, Carbaryl, Carbofuran, 3-Hydroxycarbofuran, Methomyl and Oxamyl (Vydate). Fill one 240-mL amber bottle containing sodium thiosulfate, potassium, and dihydrogen citrate.

Method 547 – Analyte of interest: Glyphosate. Fill three 40-mL vials containing sodium thiosulfate, leaving NO HEADSPACE.

Method 548.1 – Analyte of interest is Endothall. Fill one un-preserved 240-mL amber bottle.

Method 549.2 – Analyte of interest is Diquat. Fill one amber plastic quart containing sodium thiosulfate. Add 5-mL of 1:1 Sulfuric Acid after filling the container with the sample.

SAMPLES MUST BE KEPT COLD. PLEASE PLACE SAMPLES IN COOLER. FILL ZIPLOC STORAGE BAGS WITH ICE AND PLACE UPRIGHT IN COOLER WITH SAMPLES. SEND TO LAB VIA NEXT-DAY DELIVERY.

Samples for any SOC method MUST be received at the lab at or below 6° C. We recommend that you collect the sample, then place it in the refrigerator overnight. Ship the sample the next day using an overnight/next-day delivery service. Make sure you pack the sample in plenty of ice. Ziploc bags filled with actual ice work better than ice packs. Please cushion the samples with plenty of bubble wrap, newspaper, or another material. Place samples upright in cooler.

Note: Failure to follow these instructions may necessitate re-sampling. Alloway DOES NOT accept samples on Saturday. We suggest you only ship samples Monday through Thursday to ensure that we receive the samples at the correct temperature. If you have questions, please contact any of our three labs.

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