

Analysis of Organics in Fish Tissue SAMPLING INSTRUCTIONS

(detail protocol can be provided upon request)

1. All tissue samples should be shipped by species as a whole. If there is not enough tissue per specie make a composite sample combining a few species together. Some characteristics of the sampling protocol as well as the sample weight required for analysis of Organics in fish tissue are presented in the table below:

<u>Analysis</u>	<u>Sample Size</u>	<u>Preservative & °C</u>	<u>Hold Time</u>
PESTICIDES	20-50gr	None, 4 °C	14 days
PCBs	20-50gr	None, 4 °C	14days
DIOXIN	50gr	None, 4 °C	14days
PAH	20-50gr	None, 4 °C	7days
PPCP	20-50gr	None, 4 °C	14days

2. Each sample should contain about ½ pound of total weight (for example, ~200 g of clams should be enough to produce ~20-40gr of wet weight of soft parts).
3. Rinse samples with sea of fresh water before packaging. DO NOT keep samples that have been damaged (e.g., cracked shell). If some samples look unusual (discoloured, deformed, etc.), package them in a separate, additional sample and note this on the sample label.
4. Lay out a sheet of pre-cleaned with Hexane foil on clean, flat surface. Be careful only to touch the foil at the edges. Pile the composite sample near one edge of the foil, roll the foil over the species toward the center of the sheet, fold in both edges, and then roll the rest of the way. The result should look like a cylindrical burrito or a Subway sandwich. If the foil tears or does not completely cover the sample, place the wrapped sample on a fresh sheet of foil and wrap it again (i.e., put the new foil right over the old).
5. Place the wrapped sample into a ziploc bag, push it to the bottom, roll up the bag to expel the air, and seal.
6. Fill out the sample label in pencil or waterproof pen. Fill it out as completely as possible.
7. Place the bagged sample into a second ziploc with the completed sample label.
8. Store all samples in a cooler and transfer to a freezer as soon as possible.
9. Record in the notebook the names of all samplers, the sampling location, what samples were taken, date and time, and any additional information about the site that seems useful.
10. On the sample cooler clearly identify:
 - i. Client name and address
 - ii. Sample site
 - iii. Sample date and time
11. Fill out Chain of Custody (COC) provided specifying in it
 - a. Client name, address, telephone number and e-mail address

- b. Sample matrix and sample IDs
- c. Type of analysis required
- d. Sampling date and time, other information required in COC

12. **SHIP samples** overnight in a cooler with FROZEN ice packs to maintain the inside temperature at 4°C.

13. All samples should arrive at the lab within 48 hours of sampling.

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