



PFAS Sampling for the WSLH

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Which PFAS Kit Should I order?

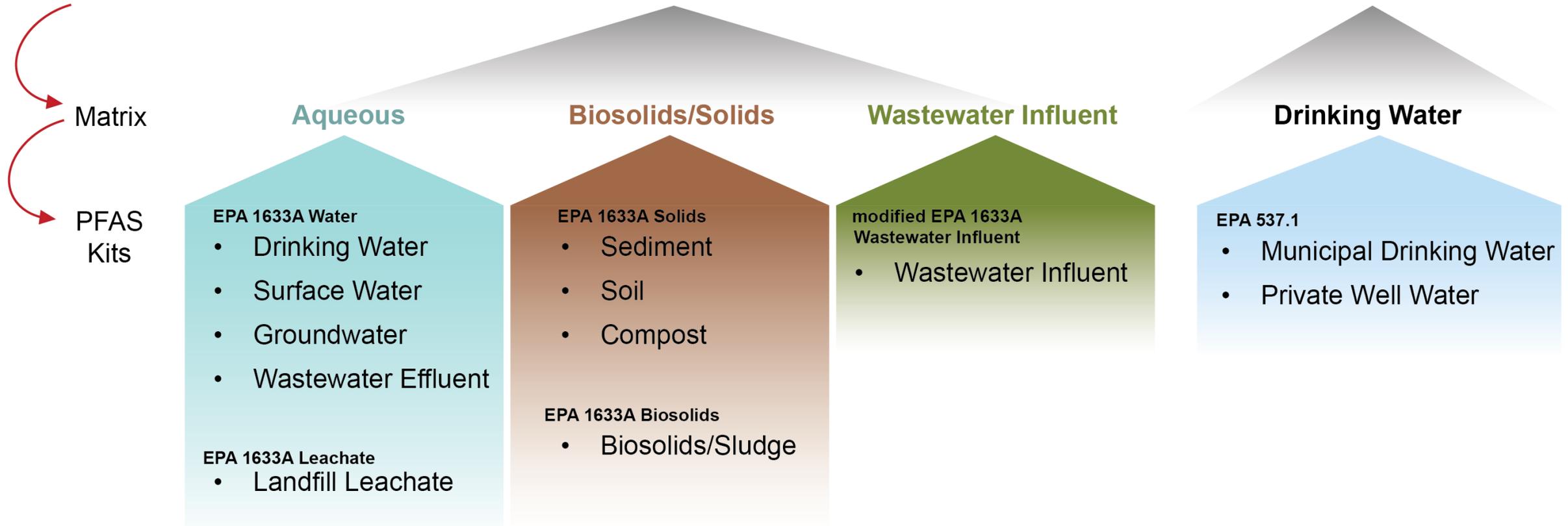


- What is your permit asking for?
- What matrices are you sampling?

WSLH PFAS Tests

EPA 1633A

EPA 537.1

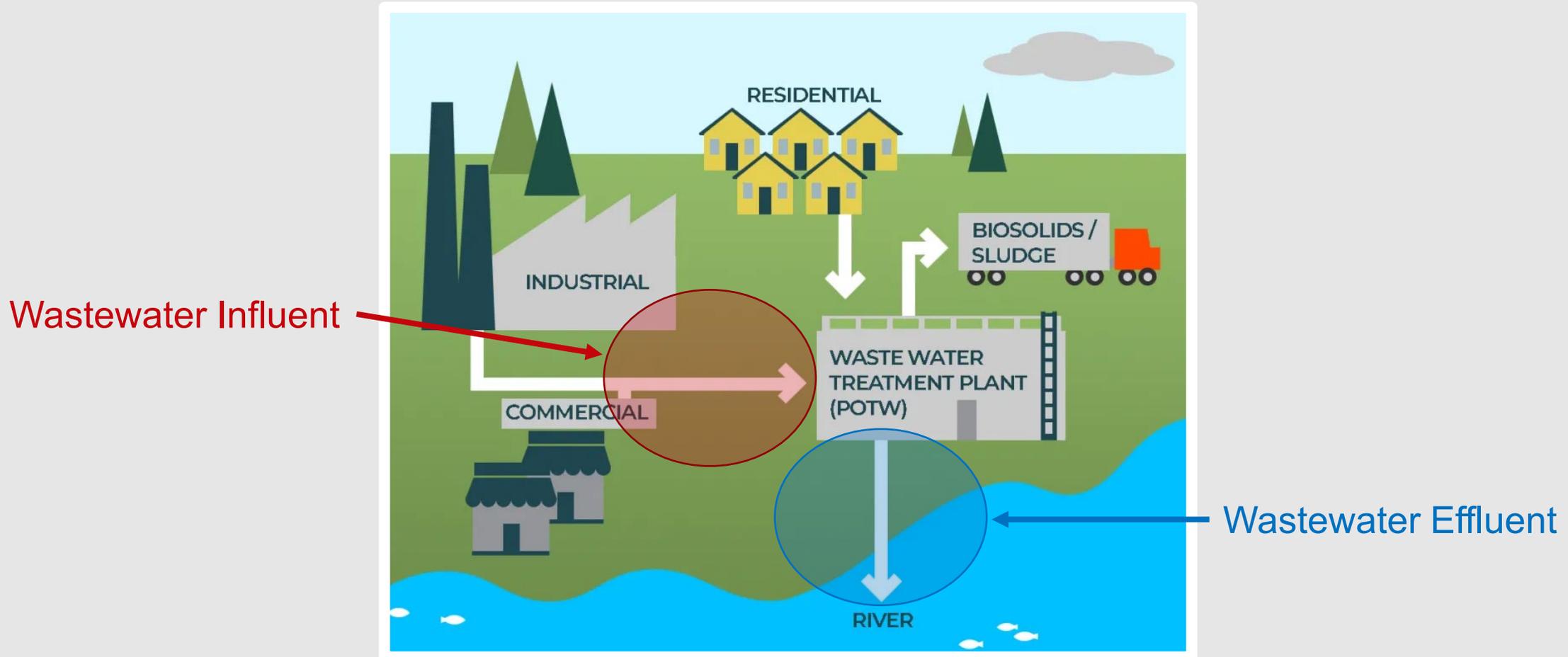




Defining Wastewater Effluent vs. Influent at the WSLH

Effluent: the final clean water being discharged to a water body (this should be relatively clean)

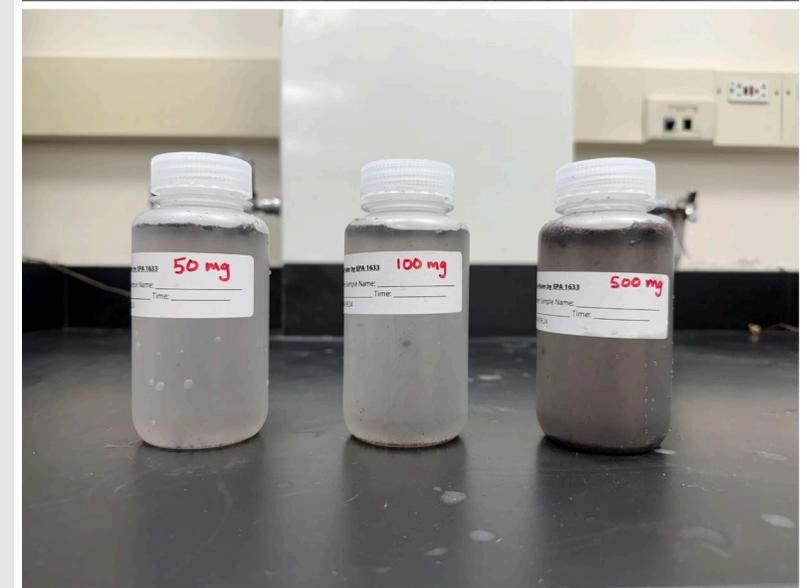
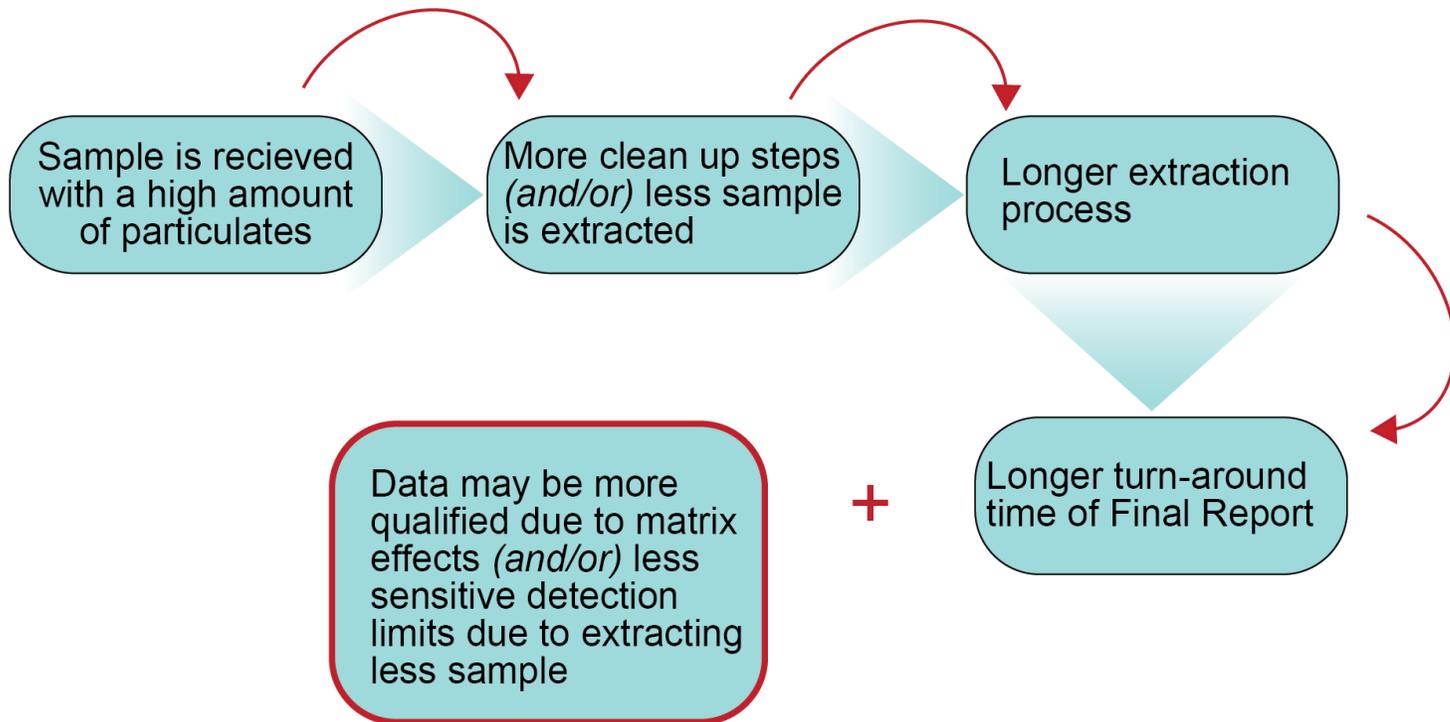
Industrial effluents or outfalls that flow to publicly owned treatment works are considered a pre-treatment discharge and by our lab's definition, and will be treated as an influent



Sampling Considerations to Ensure High Quality PFAS Results



- For **aqueous** samples, please be mindful of how much sediment is getting into the bottles
- **Per EPA 1633A, < 50 mg particulates per 250 mL water**

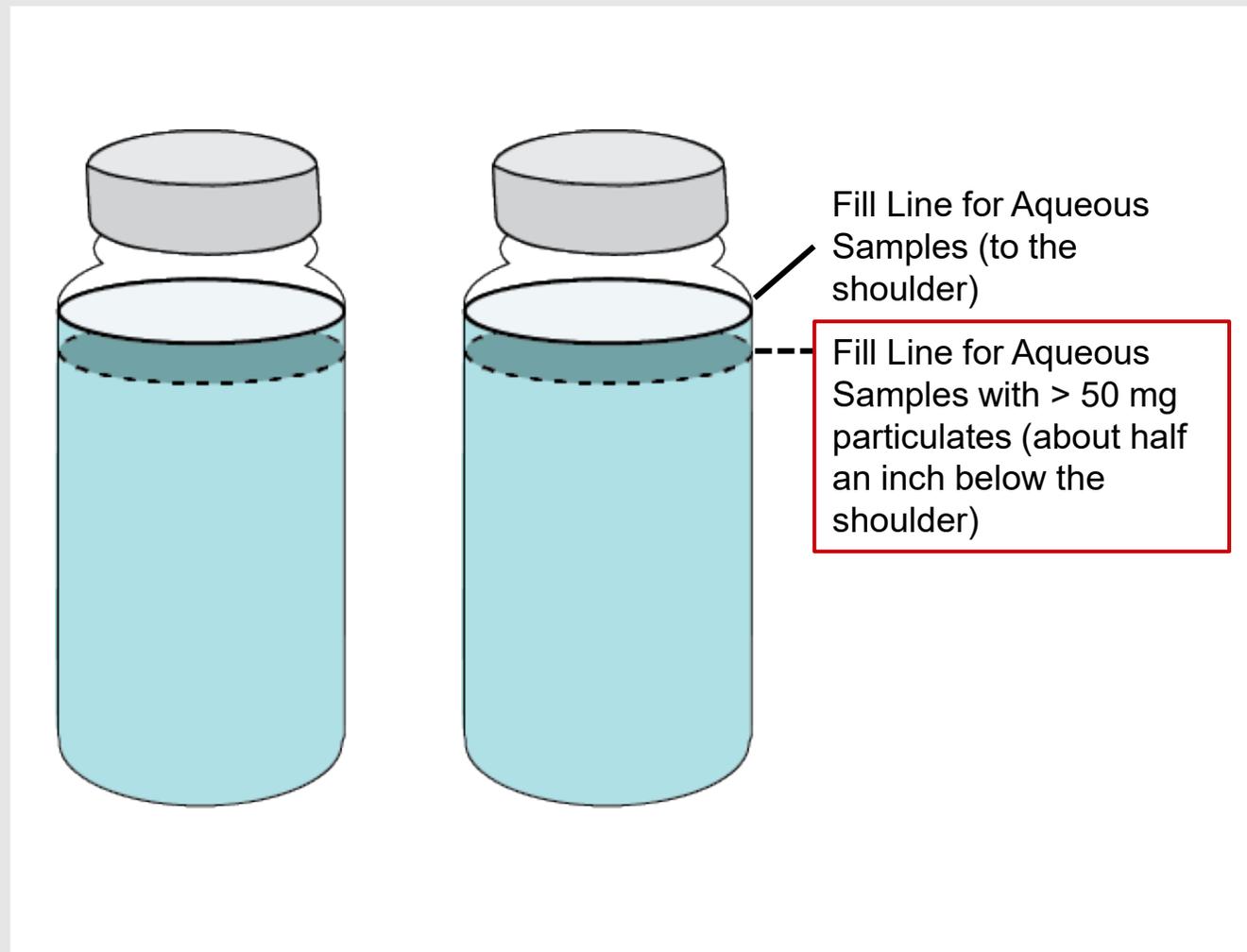


EPA 1633A PFAS in Water Kit



Kit Contents

- Styrofoam Cooler
- Plastic Liner Bag
- Two 250 mL polypropylene bottles for the samples
- Two 250 mL polypropylene bottles for equipment blank (if requested)
- Ziploc Bag containing : gloves, zip tie, address label (not a prepaid label), field sheet, sampling instructions

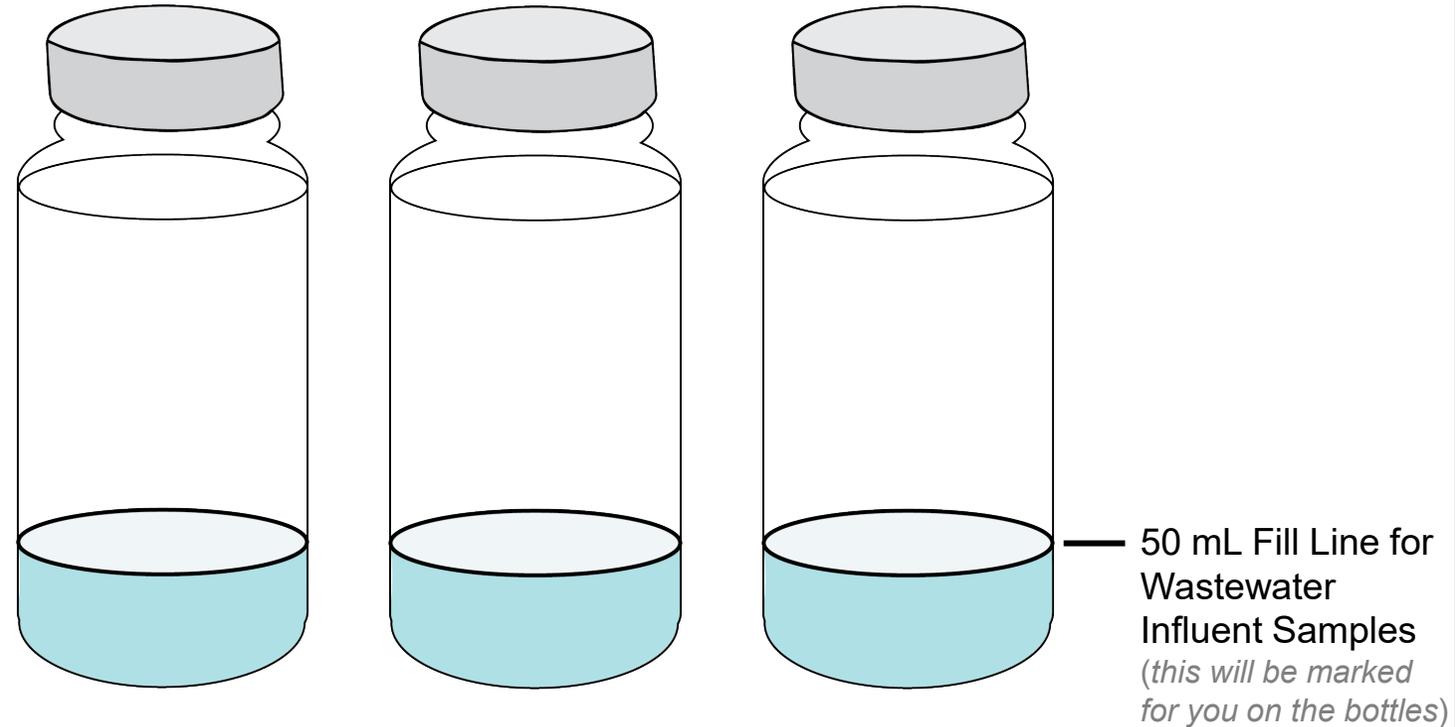


EPA 1633A PFAS in Wastewater Influent Kit



Kit Contents

- Styrofoam Cooler
- Plastic Liner Bag
- Three 250 mL polypropylene bottles for the samples
- Two 250 mL polypropylene bottles for equipment blank (if requested)
- Ziploc Bag containing : gloves, zip tie, address label (not a prepaid label), field sheet, sampling instructions

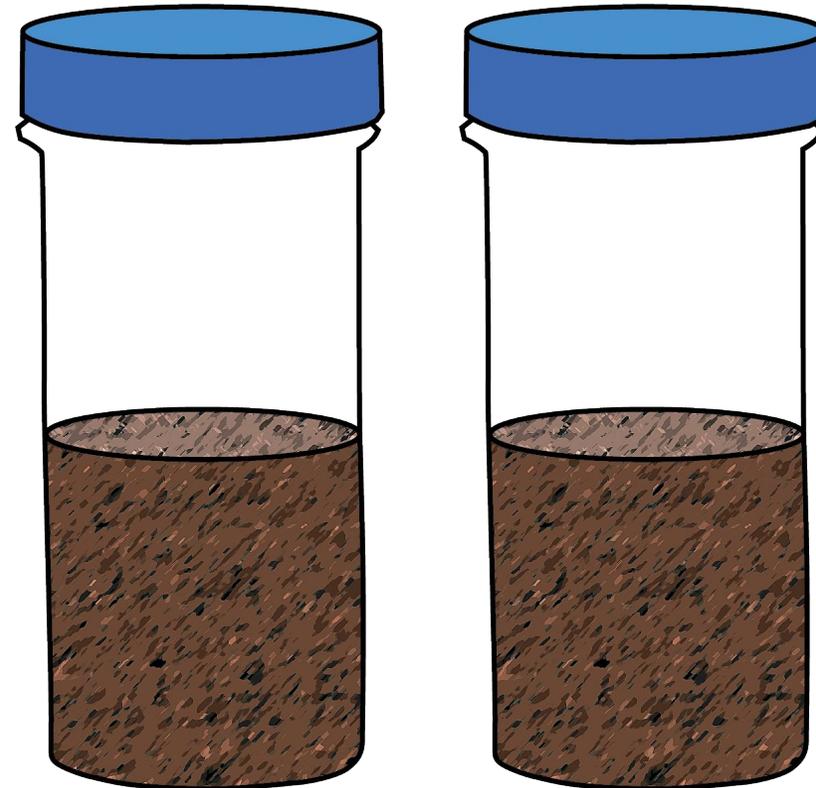


EPA 1633A PFAS in Solid/Biosolids Kit



Kit Contents

- Styrofoam Cooler
- Plastic Liner Bag
- Two 100 mL polypropylene digitubes for the sample
- Two 250 mL polypropylene bottles for equipment blank (if requested)
- Ziploc Bag containing : gloves, wooden tongue depressor, zip tie, address label (not a prepaid label), field sheet, sampling instructions



— Only fill bottles **half full** for Solids/Biosolids samples

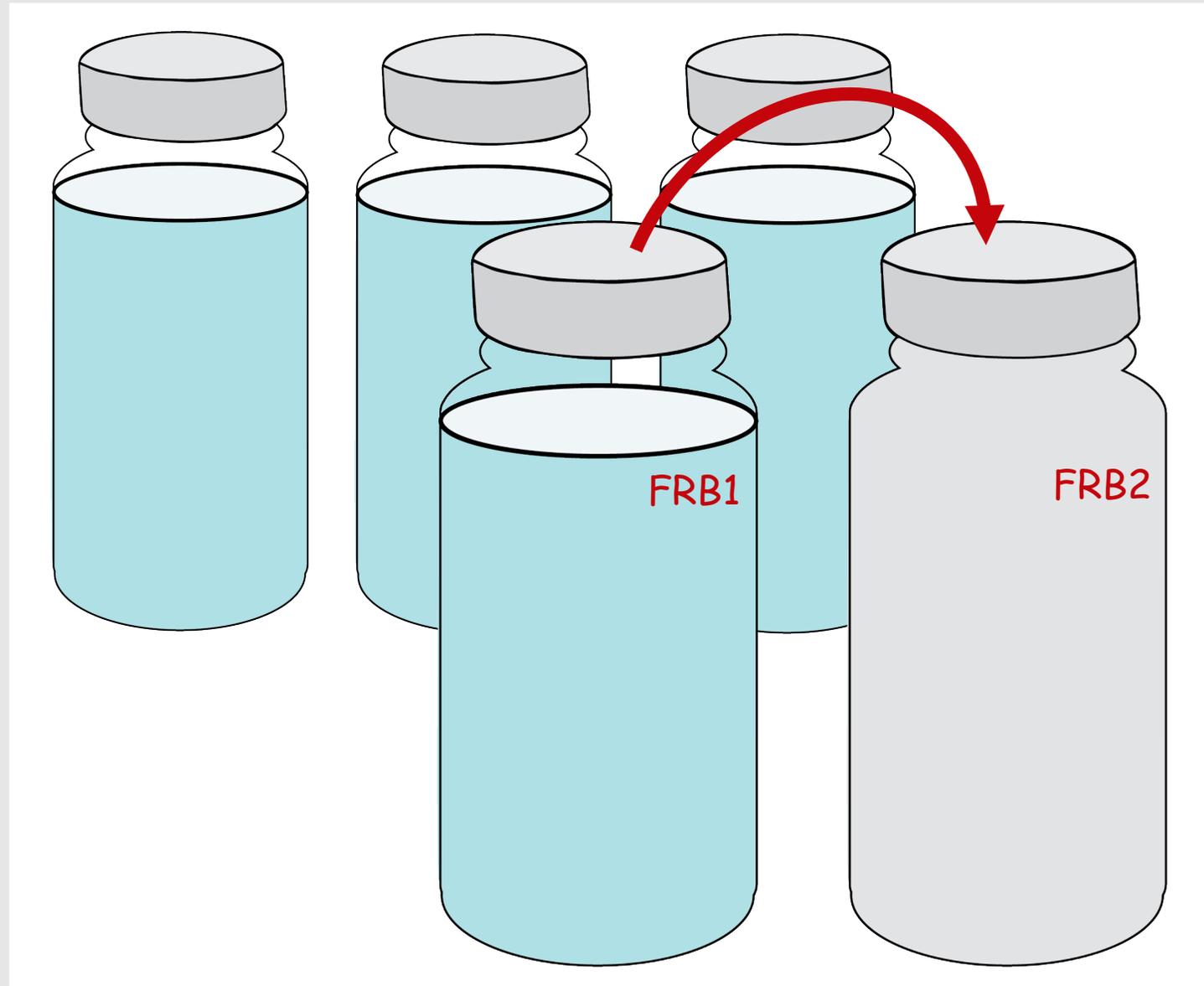
EPA 537.1 PFAS in Drinking Water Kit



Kit Contents

- Styrofoam Cooler
- Plastic Liner Bag
- Three 250 mL polypropylene bottles for the samples
- Two 250 mL polypropylene bottles for Field Equipment Blank (FRB)
 - One bottle will be full of PFAS free water (FRB1)
 - One bottle will be empty (FRB2)
- Ziploc Bag containing : gloves, zip tie, address label (not a prepaid label), sampling instructions
- *Note:* For PWS customers, field sheets are accessed through their DNR portal

The FRB is comprised of a bottle of PFAS-free water that travels from the lab to the sampling site, is poured into an empty bottle, and travels back to the lab with the sample. The FRB is used to check for any PFAS contamination that may have taken place during transit or during sampling.

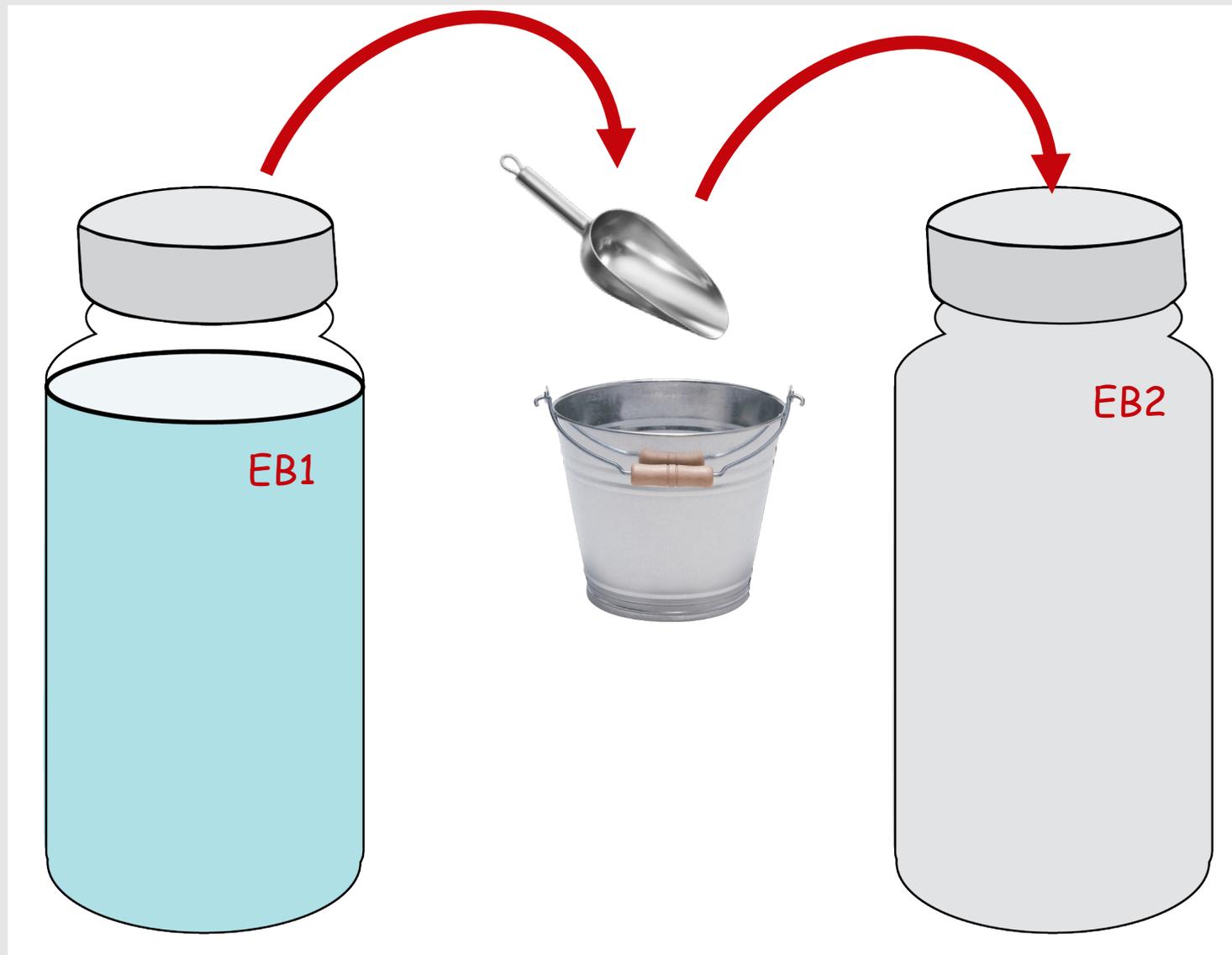


What is an Equipment Blanks and do I need one?



Equipment Blank (EB) Instructions

- When you cannot sample directly into the provided containers and must use a secondary equipment to collect the sample, the EB is used to check for PFAS contamination that may have been introduced from the secondary equipment.
- Rinse your secondary container well with clean/tap water
- Pour the PFAS-free water from the bottle labeled EB1 into your secondary container. Thoroughly rinse the secondary container with the added water, and pour it into the bottle from your kit labeled EB2.



WSLH PFAS Sampling Takeaways



- Minor deviations from sampling directions may result in delayed results, resampling, or potentially lower quality data
- If you aren't sure, ask!
 - please call us at 608-262-3750 or email us at WSLHPFAS@slh.wisc.edu
- Additional Information including samples videos on our webpage: <https://www.slh.wisc.edu/environmental/pfas/>

Additional PFAS Resource

- <https://www.dhs.wisconsin.gov/chemical/pfas.htm>
- <https://dnr.wisconsin.gov/topic/PFAS>