

PCBs Sampling and Screening



Sampling Tasks







Personal Protective equipment (PPE)



Materials and Tools



Collection of equipment information



Sample extraction



Labeling and Packaging



Lable the 50 mL glass bottle with the main information of the transformer and unique ID



Transport the samples in an adequate and safe box.





Cleaning



Leave the place cleaned and a good conditions



All the wastes must be collected and disposed of adequately





Sampling



Sampling from elevated transformer











Sampling from the bottom of a transformer













Sampling from the top of a transformer













Methods for detecting PCB

- Low cost
- They are portable
- Instant Results
- Does not require special infrastructure
- Versatility Sample selection
- Low waste generation
- Only positives require CG
- Does not require a specialized technician

Clor-N-Oil tests or L2000DXT analyzer

1 0 6

L2000 p

Less accurate

TEXS

- Less reliable
- False negatives
- False positives







• More reliable

More accurate

- More expensive
- They are not portable
- More analysis time
- Requires special
 infrastructure











Example of a quantitative flow of the inventory process















Screening procedure for oil samples with test kit







Screening procedure for soil samples with test kit





Screening procedure for the L2000 DXT analyzer







Manual for the L2000DXT analyzer



PCB PLATFORM

Thank you for your attention !

https://www.pcb.unitar.org/

