

S*PURE Application Note - Environmental

PCB's in Transformer Oil On SEClute SPE Column



SPE Conditions

Procedure using SEClute™ Florisil SPE tube, 1000mg/8mL, (Part #207930)

Sample Treatment: Dissolve 0.25grams of transformer oil spiked with Aroclor 1254 (at a concentration of 50mg/kg) in 20 mL n-hexane.

Conditioning: 2 x 5mL n-hexane, making sure the cartridge does not dry.

Sample Application: Attach 25mL reservoir (Part #210425) with a syringe adapter (Part #210705) and run sample through conditioned Florisil tube, aspirating all the solution from the tube. Evaporate the volume down to 4mL and analyzed by GC/ECD.

GC Conditions

AT™5ms columns, 30m x 0.25mm i.d., 0.25µm film, (Part #15807) under the following conditions:

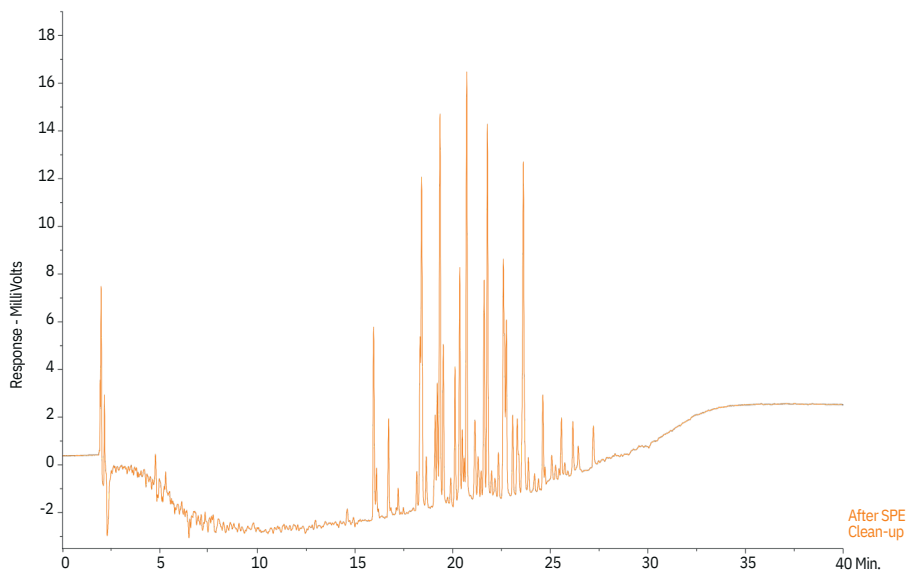
Oven: 150°C (2 min)-300°C (8 minutes) at 5°C/minute

Linear Velocity: 25cm/second

Flow: 0.74mL/minute

Split Ratio: 64:1, SGE FocusLiner with glass wool

Injector: 275°C



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