

# S\*PURE Application Note - Environment

## PCB's in Salmon On SEClute SPE Column



### SPE Conditions

Procedure using SEClute™ C18-Fast SPE tube, 1000mg/6mL (Part #5138759)

Sample Treatment: Weigh out 2.5 grams salmon, spike with 2.5µg Aroclor 1242, add 25mL acetonitrile, homogenize for 30 seconds. Filter with 75mL filter tube (Part #210775). Rinse salmon again with 5 mL acetonitrile. Bring up to 100mL with deionized water.

Conditioning: Rinse with 6mL hexanes, 6mL acetone, 2 x 6mL methanol, 2 x 6mL water.

Sample Application: Attach 75mL reservoir, apply entire sample.

Wash: 2 x 5mL water. Dry columns for 10 minutes at full vacuum.

Elution: Elute PCBs with 2 x 3mL 3% toluene/97% n-hexane. Evaporate solvent and reconstitute in 1mL n-hexane.

### GC Conditions

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

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

Injector: 275°C

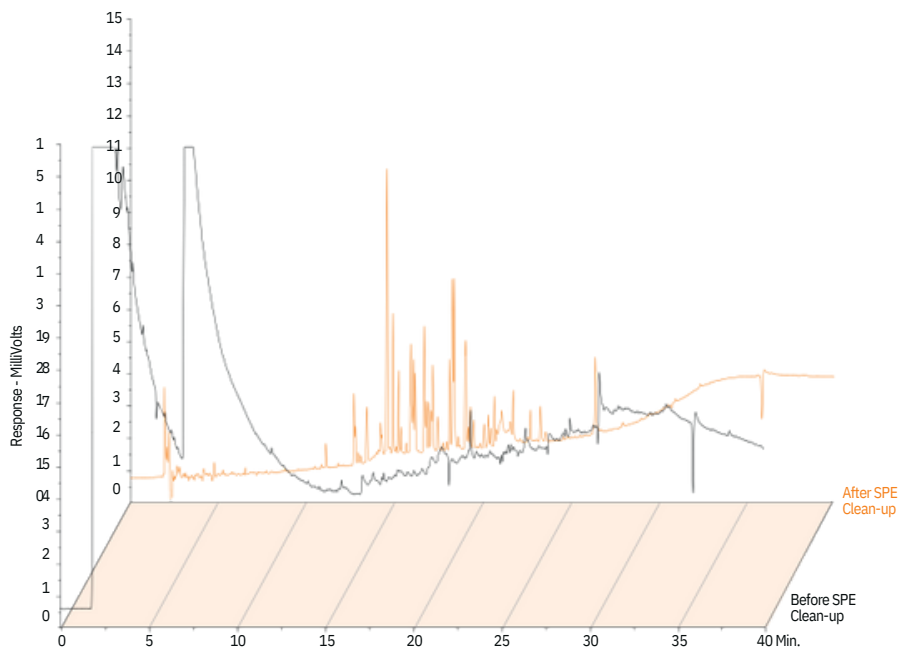
Head Pressure: 15psig (per EPC-1000)

Linear Velocity: 25cm/second

Flow: 0.74mL/minute

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

Detector: ECD=310°C



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