

Figure S1: Map of Lake Champlain. Image courtesy of the National Oceanic and Atmospheric Administration (NOAA). Lake Champlain is located between latitudes 45° 5’52.75”N and 44° 0’1.87”N and between longitudes 73° 28’26.74”W and 73° 7’55.75”W

![A close up of a map

Description automatically generated]()

Figure S2: Sub-basin map of Lake Champlain. Image courtesy of the Lake Champlain Basin Program.



Figure S3. Select legacy contaminant log-linear age-trend models for Lake Champlain lake trout. The displayed Y-axis units are arbitrary derived from the ATM output and are not units of concentration.



Figure S4. 2378-TCDD, 2378-TCDF and total PCN log-linear age-trend models for Lake Champlain lake trout. The displayed Y-axis units are arbitrary derived from the ATM output and are not units of concentration.



Figure S5. Dioxin-like PCB (CP4-PCB) log-linear age-trend models for Lake Champlain lake trout. The displayed Y-axis units are arbitrary derived from the ATM output and are not units of concentration.



Figure S6. Toxic equivalence (TEQ) log-linear age-trend models for Lake Champlain lake trout. The displayed Y-axis units are arbitrary derived from the ATM output and are not units of concentration.





Figure S7: Percent contribution of BDE-047 to total-5-BDEs as compared to technical formulation DE-71™. P-values <0.05 indicate a significant difference with the percent contribution found in the technical formulation.



Figure S8. Percent contribution of BDE-099 to total-5-BDEs as compared to technical formulation DE-71™. P-values <0.05 indicate a significant difference with the percent contribution found in the technical formulation.