

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

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Environmental Health and Drinking Water Branch

EHDW Circular Letter # 2023-08

TO: All Connecticut Method 505 and 508 Certified Laboratories
Local Health Directors

FROM: Lori Mathieu, Public Health Branch Chief, EHDW *Lori J. Mathieu*

DATE: February 23, 2023

SUBJECT: **Analysis of Aroclors by Drinking Water Methods 505 and 508**

The Connecticut Department of Public Health Environmental Laboratory Certification Program (ELCP) would like to provide clarification regarding the analysis of aroclors by drinking water methods 505 and 508.

[40CFR Part 141.24\(h\)\(13\)\(ii\)](#) states *that if PCBs (as one of seven Aroclors) are detected (as designated by the detection limits listed in 40 CFR 141.24(h)(13)(ii)) in any sample analyzed using Method 505 or 508, the system shall reanalyze the sample using Method 508A to quantitate PCBs as decachlorobiphenyl.* The word “detected” within this regulation does not imply leniency to the quantitative calibration requirements described in methods 505 and 508. This regulation does not permit a laboratory to report a qualitative result for PCBs as Aroclors such as a screen or a presence at or above the detection limits listed in table 40 CFR 141.24(h)(13)(ii).

Therefore, method detection limit studies must be performed by the laboratory for each individual aroclor and the reporting limits established must be at or below the limits stated in 40CFR Part 141.24(h)(13)(ii). Additionally, individual calibrations must be established for each aroclor following the requirements in methods 505 and 508.

Please feel free to contact Dawn Shaban and Nicole Paradise at DPH.ELCP@ct.gov with any questions.



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