

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage 112G08005-WE13

Project Manager: Ernie Wu

Order ID # Q2645

Test Name: PCB

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 07/18/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: PCB. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for RW5B-CARBON-20250716 [Decachlorobiphenyl(1)6%, Decachlorobiphenyl(2)6%, Tetrachloro-m-xylene(1)1%, Tetrachloro-m-xylene(2)2%], RW5B-CARBON-20250716RX [Decachlorobiphenyl(1)5%, Decachlorobiphenyl(2)1%, Tetrachloro-m-xylene(1)1% and Tetrachloro-m-xylene(2)1%], Sample RW5B-CARBON-20250716 (Q2645-02) failed for surrogate from PB168927, Therefore sample was Re-extracted and reanalyzed from PB168946 and both run reported.

The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

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The RPD for {Q2649-01MSD} with File ID: PO112380.D met criteria except for AR1016[21%] due to difference in results of MS-MSD.

The Blank Spike met requirements for all compounds.



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The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID PP073987.D met the requirements except for Decachlorobiphenyl is failing in 2nd column however it is passing in 1st column therefore no corrective action taken.

The Continuous Calibration File ID PP074002.D met the requirements except for Aroclor-1260(Peak-02) is failing in 1st column however it is passing in 2nd column therefore no corrective action taken.

E. Additional Comments:

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).”

The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____