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CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage 112G08005-WE13

Project Manager : Ernie Wu

Order ID # Q3017

Test Name: Mercury, Metals ICP-TAL

A. Number of Samples and Date of Receipt:

5 Water samples were received on 09/04/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH and VOC-TCLVOA-10. This data package contains results for Mercury, Metals ICP-TAL.

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Matrix Spike (TT-079-IDWGW-20250903MS) analysis met criteria for all compounds except for Barium, Manganese and Potassium due to Chemical Interference during Digestion process.

The Matrix Spike Duplicate (TT-079-IDWGW-20250903MSD) analysis met criteria for all compounds except for Barium, Manganese, Potassium and Zinc due to Chemical Interference during Digestion process.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

The Post Digest Spike (TT-079-IDWGW-20250903A) analysis met criteria for all compounds except for Barium, Manganese, Potassium and Zinc due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

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



Sample Q3017-02, Q3017-03, Q3017-04 and Q3017- 05 were reported with direct dilution for Metals-ICP TAL as samples had viscous matrix and can block the sample introduction path. So, to avoid blocking of sample introduction and any other damage to instrument samples were diluted with 5X Straight Dilution.

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_____