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CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage 112G08005-WE13

Project Manager : Ernie Wu

Order ID # Q1985

Test Name: Mercury, Metals ICP-TAL

A. Number of Samples and Date of Receipt:

2 Water samples were received on 05/08/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, pH, SVOC-SIMGroup1, SVOC-TCL BNA - 20, TSS and VOCMS Group1. 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 samples.

The Duplicate (RW8-BW-20250507DUP) analysis met criteria for all samples except for Manganese due to sample matrix interference. The Duplicate (RW8-BW-20250507MSD) analysis met criteria for all samples except for Manganese due to Chemical Interference during Digestion Process.

The Matrix Spike (RW8-BW-20250507MS) analysis met criteria for all samples except for Manganese and Silver due to Chemical Interference during Digestion Process.

The Matrix Spike Duplicate (IDW-AQ-DRUM-633-05092025MSD) analysis met criteria for all samples except for Mercury due to sample matrix interference. The Matrix Spike Duplicate (RW8-BW-20250507MSD) analysis met criteria for all samples except for Manganese and Silver 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 criteria for all samples.

E. Additional Comments:

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

In analytical sequence LB135794, The % recovery was outside of acceptance limit for Lead and Zinc of CCV05 but, no any sample of this project associated under this CCV.

The Post Digest Spike (RW8-BW-20250507A) analysis met criteria for all samples except for Manganese and Silver due to unknown chemical interferences of matrix with the addition of spike amount after digestion and before analysis , matrix has suppression effect during addition of spike.



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_____