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CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage 112G08005-WE13

Project Manager: Ernie Wu

Chemtech Project # Q1122

Test Name: Dissolved ICP-TAL Metals, Metals ICP-TAL, Dissolved Mercury, Mercury

A. Number of Samples and Date of Receipt:

2 Water samples were received on 01/16/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Mercury, Metals ICP-TAL, METALS-TAL, PCB, PESTICIDE Group2, Pesticide-PCB, Pesticide-TCL, pH, Phosphorus-Total, SVOC-TCL BNA -20, TDS and TSS. This data package contains results for Dissolved ICP-TAL Metals, Metals ICP-TAL, Dissolved Mercury, Mercury.

C. Analytical Techniques:

The analysis of Dissolved ICP-TAL Metals, Metals ICP-TAL was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of Dissolved Mercury, 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 analysis met criteria for all samples.

The Matrix Spike (RW10A-F-20250116MS) analysis met criteria for all samples except for Aluminum, Barium, Beryllium, Iron, Magnesium, Manganese, Vanadium due to matrix interference.

The Matrix Spike Duplicate (RW10A-F-20250116MSD) analysis met criteria for all samples except for Beryllium, Magnesium, Manganese due to matrix interference.

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:

Sample Q1122-01 was analyzed as total Metals and sample Q1122-02 was analyzed as Dissolved Metals.



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

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_____