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## **CASE NARRATIVE**

**New York City DEP of Environmental Protection/BWS**

**Project Name: Industrial Wastewater Discharge Permit - Fall 2024**

**Project # N/A**

**Chemtech Project # P5068**

**Test Name: Metals ICP-Group1,Mercury**

### **A. Number of Samples and Date of Receipt:**

7 Water samples were received on 12/03/2024.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Cyanide, Cyanide-Amenable, Field pH, Field Temperature, Hexavalent Chromium, Mercury, Metals Group1, Metals ICP-Group1, Non-Polar Material, TSS and VOCMS Group1. This data package contains results for Metals ICP-Group1,Mercury.

### **C. Analytical Techniques:**

The analysis and digestion of Metals ICP-Group1 was based on 200.7 and The analysis and digestion of Mercury was based on 245.1.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

Sample 14B-(1-4)-COMP was diluted due to high concentrations for Manganese.

The Blank Spike met criteria for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike (14B-(1-4)-COMPMS) analysis met criteria for all samples except for Antimony due to Chemical Interference during Digestion Process.

The Matrix Spike Duplicate (14B-(1-4)-COMPMSD) analysis met criteria for all samples except for Antimony 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 (14B-(1-4)-COMPL) met criteria for all samples except for Copper and Sodium due to sample matrix interference.

### **E. Additional Comments:**

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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\_\_\_\_\_