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## **CASE NARRATIVE**

**Alliance Technical Group, LLC - Newark**

**Project Name: NJ Waste Water PT**

**Project # N/A**

**Chemtech Project # Q1504**

**Test Name: Metals Group3, Metals Group4, Metals Group5**

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

7 Water samples were received on 03/05/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals Group3, Metals Group4 and Metals Group5. This data package contains results for Metals Group3, Metals Group4, Metals Group5.

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

The analysis of Metals Group3, Metals Group4, Metals Group5 was based on method 6010D, digestion based on method 3010 (waters). The analysis of Metals Group3, Metals Group4, Metals Group5 was based on method 6020B.

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

The Holding Times were met for all analysis.

Sample PT-TM1-WP was diluted due to high concentrations for Vanadium  
& Sample PT-SNTI-WP was diluted due to high concentrations for Tin

The Blank Spike met requirements for all samples.

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

The Calibration met the requirements.

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

Internal Standard 45Sc(1) was out side of qc limit for sample Q1504-06, so for this sample affected parameters were reported from 5X dilution.

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

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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\_\_\_\_\_