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## **CASE NARRATIVE**

### **ATG-GREENVILLE AEC**

**Project Name: AEC-2025-0013- CSC 4019 Waterbury**

**Project # N/A**

**Order ID # Q2289**

**Test Name: Anions Group1,COD,Oil and Grease,pH,Phosphorus-Total,TKN,TSS**

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

3 Water samples were received on 06/11/2025.

#### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Anions Group1, COD, Metals ICP-Group1, Oil and Grease, pH, Phosphorus-Total, TKN and TSS. This data package contains results for Anions Group1,COD, Oil and Grease, pH, Phosphorus-Total, TKN, TSS.

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

The analysis of Oil and Grease was based on method 1664A, The analysis of Anions Group1 was based on method 300.0, The analysis of Phosphorus-Total was based on method 365.3, The analysis of pH was based on method 9040C, The analysis of TSS was based on method SM2540 D, The analysis of TKN was based on method SM4500 N Org B or C and The analysis of COD was based on method SM5220 D.

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

The Holding Times were met for all samples except for SP-1 of pH, for SP-2 of pH. for SP-3 of pH as samples were receive out of holding time.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike (LAW-25-0084MS) analysis met criteria for all elements except for TKN due to matrix interference.

The Matrix Spike Duplicate (LAW-25-0084MSD) analysis met criteria for all elements except for TKN due to matrix interference.

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

The Calibration met the requirements.

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

As per method 1664A, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD was not performed for this project.

Sample Q2289-01 and Q2289-03 analyzed straight dilution for COD because, the original samples were reading over range, only 5X and 10 X dilutions has been reported.

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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\_\_\_\_\_