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CASE NARRATIVE

ATG-GREENVILLE AEC

Project Name: AEC-2025-0013

Project # N/A

Order ID # Q3442

Test Name: Metals Group4, Anions Group1, BOD5, COD, pH, Phosphorus-Total, TKN, Total Nitrogen, TSS, Oil and Grease

A. Number of Samples and Date of Receipt:

1 Water sample was received on 10/23/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Metals Group4, Anions Group1, BOD5, COD, pH, Phosphorus-Total, TKN, Total Nitrogen, TSS. This data package contains results for Metals Group4(6010D), Anions Group1(300.0), BOD5(SM5210 B), COD(SM5220 D), pH(9040C), Phosphorus-Total(365.3), TKN(SM4500 N Org B or C), Total Nitrogen(Cal), TSS(SM2540 D), Oil and Grease(1664A).

C. Analytical Techniques:

Metals Group4 : The analysis of Metals Group4 was based on method 6010D and digestion based on method 3010 (waters).

Wetchem : 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 Total Nitrogen was based on method Cal, The analysis of TSS was based on method SM2540 D, The analysis of TKN was based on method SM4500 N Org B or C, The analysis of BOD5 was based on method SM5210 B and The analysis of COD was based on method SM5220 D. The analysis of Oil and Grease was based on method 1664A.

D. QA/ QC Samples:

The Holding Times were met for all analysis except following Wetchem : SW-1 of BOD5, Nitrite, Nitrate and pH as sample was receive out of holding time.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD recoveries met criteria.

The Blank Spike met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.



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The Duplicate analysis met criteria for all compound.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

Anions Group1,BOD5,COD,pH,Phosphorus-Total,TKN,Total Nitrogen,TSS,Oil and Grease : 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 for Q3442 therefore Lab reported MS-MSD from Q3551 and Q3554.

This Data Package has been Revised because of for Genchem, Oil and Grease parameter activated as per Client Request.

Metals Group4 : As per special requirement for this project form-1 and Hit Summary are reported in mg/l.

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_____