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CASE NARRATIVE

Lockwood, Kessler & Bartlett, Inc.

Project Name: Ansonia Landfill 2025

Project # N/A

Chemtech Project # Q1782

Test Name: Total

Nitrogen,pH,Alkalinity,TKN,Ammonia,Turbidity,TDS,BOD5,TSS,Anions Group1

A. Number of Samples and Date of Receipt:

9 Water samples were received on 04/10/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Ammonia, Anions Group1, BOD5, Dissolved Metals Group5, Metals Group4, pH, TDS, TKN, Total Nitrogen, TSS, Turbidity and VOCMS Group1. This data package contains results for Total Nitrogen, pH, Alkalinity, TKN, Ammonia, Turbidity, TDS, BOD5, TSS, Anions Group1.

C. Analytical Techniques:

The analysis of Anions Group1 was based on method 300.0, The analysis of pH was based on method 9040C, The analysis of Total Nitrogen was based on method Cal, The analysis of Turbidity was based on method SM2130 B, The analysis of Alkalinity was based on method SM2320 B, The analysis of TDS was based on method SM2540 C, 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 Ammonia was based on method SM4500-NH3 and The analysis of BOD5 was based on method SM5210 B.

D. QA/ QC Samples:

The Holding Times were met for all samples except for MW-1 of pH, for MW-2 of pH,for MW-3 of pH,for MW-4 of pH as samples were receive out of holding time and for MW-04DL for Nitrate as sample dilution was analyze out of holding time.

Sample MW-1 was diluted due to high concentrations for Chloride, Sulfate & Sample MW-1DL was diluted due to high concentrations for Chloride & Sample MW-2 was diluted due to high concentrations for Ammonia as N, Chloride & Sample MW-3 was diluted due to high concentrations for Chloride & Sample MW-4 was diluted due to high concentrations for Chloride, Nitrate & Sample MW-4DL was diluted due to high concentrations for Chloride.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike (MW-4MS) analysis met criteria for all samples except for Chloride due to matrix interferences.

The Matrix Spike Duplicate (MW-4MSD) analysis met criteria for all samples except for Chloride due to matrix interferences.



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

E. Additional Comments:

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_____