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## **CASE NARRATIVE**

**METEM A GE POWER Business**

**Project Name: Tank Farm - Acid Analysis**

**Project # N/A**

**Chemtech Project # Q1879**

**Test Name: pH,Alkalinity,Phenolics,TKN,Ammonia,Acidity**

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

4 Water samples were received on 04/24/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Acidity, Alkalinity, Ammonia, Anions Group1, Mercury, Metals ICP-TAL, METALS-TAL, pH, Phenolics, TKN and Total Nitrogen. This data package contains results for pH,Alkalinity,Phenolics,TKN,Ammonia,Acidity.

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

The analysis of pH was based on method 9040C, The analysis of Phenolics was based on method 9065, The analysis of Acidity was based on method SM2310 B, The analysis of Alkalinity was based on method SM2320 B, The analysis of TKN was based on method SM4500 N Org B or C and The analysis of Ammonia was based on method SM4500-NH3.

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

The Holding Times were met for all samples except for ACID-MIXTURE-TF-CONTAINMENT of pH, for STEM-31-SULFURIC-ACID of pH.for STEM-32-NITRIC-ACID of pH.for STEM-46-NITRIC-ACID of pH as samples were receive out of holding time.

Sample ACID-MIXTURE-TF-CONTAINMENT was diluted due to high concentrations for Ammonia as N.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

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

The Calibration met the requirements.

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

Due to limited volume of sample, 5ML was taken as a initial volume and DUP, MS and MSD was not performed for Ammonia, TKN and Phenolics.

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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\_\_\_\_\_