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CASE NARRATIVE

METEM A GE POWER Business

Project Name: Tank Farm - Acid Analysis

Project # N/A

Order ID # Q1944

Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 05/02/2025.

2 Water samples were received on 05/02/2025.

B. Parameters:

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

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils) and 3010 (waters).The analysis and digestion of Mercury was based on method 7470A. The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate (OK-01-050125DUP) analysis met criteria for all samples except for Barium, Copper, Lead, Potassium due to matrix interference.

The Duplicate (OK-01-050125MSD) analysis met criteria for all samples except for Antimony, Copper, Nickel due to matrix interference.

The Matrix Spike (GB1WMS) analysis met criteria for all samples except for Mercury due to matrix interference.

The Matrix Spike (OK-01-050125MS) analysis met criteria for all samples except for Antimony due to matrix interference.

The Matrix Spike Duplicate (GB1WMSD) analysis met criteria for all samples except for Mercury due to matrix interference.

The Matrix Spike Duplicate (OK-01-050125MSD) analysis met criteria for all samples except for Antimony, Copper due to matrix interference.

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

The Calibration met the requirements.

The Serial Dilution met criteria for all samples.

E. Additional Comments:

The time of sampling were not listed in the COC.



The initial weight for sample Q1944-01 for Metals was taken 0.82g instead of 2.0g due to very limited volume. Sample Q1944-03 for Metals was analyzed with straight 5X dilution due to sample physical appearance, viscosity and matrix.

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_____