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CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger Site Princeton NJ 2025

Project # N/A

Order ID # Q2008

Test Name: Mercury, Metals ICP-TAL

A. Number of Samples and Date of Receipt:

1 Water sample was received on 05/09/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Flash Point, Gasoline Range Organics, Mercury, Metals ICP-TAL, METALS-TAL, pH, SVOC-TCL BNA -20 and VOC-TCL VOA-10. This data package contains results for Mercury, Metals ICP-TAL.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate (RW8-BW-20250507DUP) analysis met criteria for all samples except for Manganese due to matrix interference.

The Duplicate (RW8-BW-20250507MSD) analysis met criteria for all samples except for Manganese due to matrix interference.

The Matrix Spike (RW8-BW-20250507MS) analysis met criteria for all samples except for Manganese, Silver due to matrix interference.

The Matrix Spike Duplicate (IDW-AQ-DRUM-633-05092025MSD) analysis met criteria for all samples except for Mercury due to matrix interference.

The Matrix Spike Duplicate (RW8-BW-20250507MSD) analysis met criteria for all samples except for Manganese, Silver due to matrix interference.

The Post Digest Spike (RW8-BW-20250507A) analysis met criteria for all samples except for Manganese and Silver due to unknown chemical interferences of matrix with the addition of spike amount after digestion and before analysis, matrix has suppression effect during addition of spike

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:



In analytical sequence LB135794, The % recovery was outside of acceptance limit for Lead and Zinc of CCV05, but not associated to any sample of this project.

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_____