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CASE NARRATIVE

ICE Service Group, Inc.

Project Name: NWIRP Northrup Grumman Site – Bethpage, NY

Project # N/A

Order ID # Q3399

Test Name: Mercury, Metals ICP-TAL

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 10/20/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL. 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 3050 (soils). 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 compounds.

The Duplicate (PR-132-S16-015094-20251021DUP) analysis met criteria for all compounds except for Mercury due to sample matrix interference. The Duplicate (TP-6MSD) analysis met criteria for all compounds except for Calcium due to sample matrix interference.

The Matrix Spike (TP-6MS) analysis met criteria for all compounds except for Antimony, Arsenic, Beryllium, Chromium, Copper, Lead, Selenium, Silver, Sodium, Thallium and Vanadium due to unknown interference with the reaction and noticed small black particles with soil which can cause possible failure.

The Matrix Spike Duplicate (TP-6MSD) analysis met criteria for all compounds except for Antimony, Arsenic, Beryllium, Chromium, Lead, Potassium, Selenium, Silver, Sodium and Vanadium due to unknown interference with the reaction and noticed small black particles with soil which can cause possible failure.

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

The Calibration met the requirements.

The Serial Dilution met criteria for all compounds.

E. Additional Comments:

The Post Digest Spike (TP-6A) analysis met criteria for all compounds except for Antimony, Arsenic, Beryllium, Chromium, Copper, Lead, Potassium, Silver, Sodium and Vanadium due to unknown chemical interference of matrix with the addition of spike



amount after digestion and before analysis; matrix has suppression effect during addition of spike.

In analytical sequence LB137630, The % recovery was outside of acceptance limit for Iron, Potassium, Sodium and Thallium of CCV11 but no any samples associated under this CCV.

In analytical sequence LB137630, The % recovery was outside of acceptance limit for Iron and Sodium of CCV12 but no any samples associated under this CCV.

In analytical sequence LB137630, The Results was outside of acceptance limit for Potassium and Sodium of CCB10, CCB11 and CCB12 but no any samples associated under these CCBs.

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_____