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CASE NARRATIVE

JPCL Engineering

Project Name: NYCDPR BG CY Playground - W 145th St

Project # N/A

Order ID # Q3736

Test Name: Mercury, Metals ICP-Group1, TCLP ICP Metals, TCLP Mercury

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 11/26/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested:

TCLP ICP Metals, TCLP Mercury, Mercury, Metals ICP-Group1. This data package contains results for Mercury, Metals ICP-Group1, TCLP ICP Metals, TCLP Mercury.

C. Analytical Techniques:

TCLP ICP Metals, TCLP Mercury : The analysis of TCLP ICP Metals was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

Mercury, Metals ICP-Group1 : The analysis of Metals ICP-Group1 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.

Mercury, Metals ICP-Group1 : Sample D1 was diluted due to high concentrations for Mercury.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The MS recoveries met the requirements for all compounds except following TCLP ICP Metals, TCLP Mercury : The Matrix Spike (D1MS) analysis met criteria for all compounds except for Barium due to Chemical Interference during Digestion Process.

The MSD recoveries met the requirements for all compounds except following TCLP ICP Metals, TCLP Mercury : The Matrix Spike Duplicate (D1MSD) analysis met criteria for all compounds except for Barium due to Chemical Interference during Digestion Process.

The Serial Dilution met criteria for all compounds.



E. Additional Comments:

Sample Q3736-1 Metals ICP-Group1 has very dirty smell and oily material and looks unknown interferences from the soil which can suppress the actual concentration without dilution and also can effect the path of sample probe and tubes and the nebulizer can be blocked to make the small orifice and hence can effect QC failure. So dilution was necessary for analyzed sample.

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_____