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CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger Site Princeton NJ

Project # N/A

Order ID # P3671

Test Name: Metals Group4,Mercury

A. Number of Samples and Date of Receipt:

14 Solid samples were received on 08/19/2024.

1 Water sample was received on 08/19/2024.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Hexavalent Chromium, Mercury, Metals Group4, SVOCMS Group3, SVOCMS Group5, TOC, VOCMS Group 4, VOCMS Group3, VOCMS Group5 and VOCMS Group6. This data package contains results for Metals Group4,Mercury.

C. Analytical Techniques:

The analysis of Metals Group4 was based on method 6020B, 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.

Sample S-904-J-SO-0.5-1.0-081924 was diluted due to high concentrations for Aluminum & Sample S-911-K1-SO-0.5-1-081924 was diluted due to high concentrations for Manganese & Sample S-905-J-SO-0-0.5-081924 was diluted due to high concentrations for Mercury & Sample S-905-J-SO-0-0.5-081924-FD was diluted due to high concentrations for Mercury, Aluminum & Sample S-905-J-SO-0.5-1.0-081924 was diluted due to high concentrations for Mercury, Aluminum & Sample S-928-K1-SO-0-0.5-081924 was diluted due to high concentrations for Manganese & Sample S-928-K1-SO-0.5-1-081924 was diluted due to high concentrations for Manganese & Sample S-903-J-SO-0-0.5-081924 was diluted due to high concentrations for Aluminum & Sample S-903-J-SO-0.5-1.0-081924 was diluted due to high concentrations for Aluminum and Iron.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike (S-904-J-SO-0-0.5-081924MS) analysis met criteria for all samples except for Mercury due to sample matrix interference. The Matrix Spike (S-912-J-SO-0.5-1-081924MS) analysis met criteria for all samples except for Aluminum and Silver due to Chemical interference during Digestion Process.

The Matrix Spike Duplicate (S-904-J-SO-0-0.5-081924MSD) analysis met criteria for all samples except for Mercury due to sample matrix interference. The Matrix Spike



Duplicate (S-912-J-SO-0.5-1-081924MSD) analysis met criteria for all samples except for Aluminum and Silver due to Chemical Interference during Digestion Process.

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:

This Data Package has been revised due to some client id changed as per client request..

Internal standard 89Y(1 and 2) was out Side qc limit for sample P3671-02, P3671-04, P3671-07, P3671-08, P3671-09 and P3671-10 in Original so for these samples affected parameters are reported from its 5X Dilution.

Internal standard 89Y(1) was out Side qc limit for sample P3671-05 in Original so for these samples affected parameters are reported from its 5X Dilution.

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

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_____