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CASE NARRATIVE

Tetra Tech, EMI
Project Name: R37063 - PA
Project Manager : Ava Heiss
Order ID # Q3291
Test Name: Dissolved ICP-TAL Metals,Dissolved Mercury,Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
4 Water samples were received on 10/06/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-TAL Metals,Dissolved Mercury,Mercury,Metals ICP-TAL. This data package contains results for Dissolved ICP-TAL Metals,Dissolved Mercury, Mercury, Metals ICP-TAL.

C. Analytical Techniques:
The analysis of Dissolved ICP-TAL Metals,Metals ICP-TAL was based on method 6020B, digestion based on method 3010 (waters). The analysis and digestion of Dissolved Mercury,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 compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike (MC0AX2MS) analysis met criteria for all compounds except for Silver due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (MC0AX2MSD) analysis met criteria for all compounds except for 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 the acceptable requirements.

E. Additional Comments:
The Post Digest Spike (MC0AX2A) analysis met criteria for all compounds except for Silver 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.
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.

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).
Sample Q3291-05, Q3291-07 were analyzed as Total Metal and Sample Q3291-06, Q3291-08 were analyzed as Dissolved Metal.
Internal standard 89Y(1 and 2) were out Side qc limit for samples Q3291-07+Qcs and Q3291-08 in Original so for these samples affected parameters are reported from 5X Dilution.
The temperature of the samples at the time of receipt was 11.3°C.

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_____