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CASE NARRATIVE

Portal Partners Tri-Venture

Project Name: Amtrak Sawtooth Bridges 2024

Project # N/A

Chemtech Project # P4460

Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 10/18/2024.

2 Water samples were received on 10/18/2024.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, EPH, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, Trivalent Chromium, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for Metals ICP-TAL,Mercury.

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils) and 3010 (waters).The analysis and digestion of Mercury was based on method 7470A. The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

Sample WB-303-TOP was diluted due to high concentrations for Mercury & Sample

WB-303-SW was diluted due to high concentrations for Sodium.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike (34839-40MS) analysis met criteria for all samples except for Mercury due to matrix interference.

The Matrix Spike (WB-303-BOTMS) analysis met criteria for all samples except for Antimony, Barium, Beryllium, Chromium, Cobalt, Copper, Potassium, Selenium, Vanadium, Zinc due to matrix interference.

The Matrix Spike (WB-303-SWMS) analysis met criteria for all samples except for Antimony, Arsenic, Selenium, Silver, Sodium, Zinc due to matrix interference.

The Matrix Spike Duplicate (34839-40MSD) analysis met criteria for all samples except for Mercury due to matrix interference.



The Matrix Spike Duplicate (WB-303-BOTMSD) analysis met criteria for all samples except for Antimony, Barium, Beryllium, Chromium, Cobalt, Copper, Nickel, Potassium, Selenium, Vanadium, Zinc due to matrix interference.

The Matrix Spike Duplicate (WB-303-SWMSD) analysis met criteria for all samples except for Aluminum, Antimony, Arsenic, Selenium, Silver, Zinc due to matrix interference.

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

The Calibration met the requirements.

The Serial Dilution (OG-315-HR-502-COMP-29L) met criteria for all samples except for Mercury due to unknown interference.

The Serial Dilution (WB-303-BOTL) met criteria for all samples except for Calcium, Chromium, Manganese due to unknown interference.

The Serial Dilution (WB-303-SWL) met criteria for all samples except for Magnesium due to unknown interference.

E. Additional Comments:

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_____