



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Portal Partners Tri-Venture

Project Name: Amtrak Sawtooth Bridges 2025

Project # N/A

Order ID # Q2177

Test Name: Mercury, Metals ICP-TAL

A. Number of Samples and Date of Receipt:

7 Solid samples were received on 06/02/2025.

2 Water samples were received on 06/02/2025.

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 Mercury, Metals ICP-TAL.

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.

The Blank Spike met requirements for all samples.

The Duplicate (B-187-SB02MSD) analysis met criteria for all samples except for Aluminum, Barium, Calcium, Iron, Magnesium, Potassium and Sodium due to Chemical Interference during Digestion Process.

The Matrix Spike (303-PPR-2MS) analysis met criteria for all samples except for Antimony, Copper, Silver and Zinc due to Chemical Interference during Digestion Process. The Matrix Spike (444MS) analysis met criteria for all elements except for Mercury due to sample matrix interference. The Matrix Spike (B-187-SB02MS) analysis met criteria for all elements except for Antimony due to Chemical Interference during Digestion Process.

The Matrix Spike Duplicate (303-PPR-2MSD) analysis met criteria for all samples except for Antimony, Silver and Zinc due to Chemical Interference during Digestion Process. The Matrix Spike Duplicate (B-187-SB02MSD) analysis met criteria for all samples except for Antimony, Barium, Sodium and Zinc 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:

The Post Digest Spike (444A) analysis met criteria for all elements except for Mercury 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 LB136011, The % Recovery outside limit for Iron, Potassium and Sodium of CCV08 but, no any sample associated under this CCV.

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_____