

CASE NARRATIVE

Portal Partners Tri-Venture

Project Name: Amtrak Sawtooth Bridges 2025

Project # N/A

Order ID # Q2832

Test Name: EPH

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 08/12/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: EPH. This data package contains results for EPH.

C. Analytical Techniques:

The analysis were performed on instrument FID_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analyses were performed on instrument FID_D. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analysis were performed on instrument FID_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analysis of EPHs was based on method NJEPH and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Retention Times were met for all analysis.

The MS {Q2892-05MS} with File ID: FC069713.D recoveries met the requirements for all compounds except for Aliphatic [Naphthalene (C11.7)- 0%, 2-methylnaphthalene (C12.89)- 0%], these analytes are only being monitoring in aliphatic fraction.

The MS {Q2892-05MS} with File ID: FD049660.D recoveries met the requirements for all compounds except for Aromatic [Chrysene (C27.41)- 235%], [Bnezo[k]fluoranthene (C30.14)- 230%], [Dibenz[a,h]anthracene (C30.36)- 222%], [benzo[b]fluoranthene (C30.41)- 217%] due to matrix interference.

The MSD {Q2892-05MSD} with File ID: FC069714.D recoveries met the requirements for all compounds except for Aliphatic [Naphthalene (C11.7)- 0%, 2-methylnaphthalene (C12.89)- 0%], these analytes are only being monitoring in aliphatic fraction.

The MSD {Q2892-05MSD} with File ID: FD049661.D recoveries met the requirements for all compounds except for Aromatic [Chrysene (C27.41)- 225%],

[Bnezo[k]fluoranthene (C30.14)- 222%], [Dibenz[a,h]anthracene (C30.36)- 216%], [benzo[b]fluoranthene (C30.41)- 209%] due to matrix interference.

The RPD were met for all analysis.

The Blank Spike for {PB169364BS} with File ID: FC069708.D met requirements for all samples except for aliphatic [Naphthalene (C11.7)- 0%, 2-methylnaphthalene (C12.89)- 0%], these analytes compounds are only being monitoring in aliphatic friction.

The Blank Spike Duplicate for {PB169364BSD} with File ID: FC069709.D met requirements for all samples except for aliphatic [Naphthalene (C11.7)- 0%, 2-methylnaphthalene (C12.89)- 0%], these analytes compounds are only being monitoring in aliphatic friction.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

E. Additional Comments:

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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_____