

CASE NARRATIVE

Portal Partners Tri-Venture

Project Name: Amtrak Sawtooth Bridges 2025

Project # N/A

Chemtech Project # Q1422

Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 02/25/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, METALS-TAL, PCB, SVOC-TCL BNA -20, Trivalent Chromium and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {Q1422-01MS} with File ID: BF141784.D recoveries met the requirements for all compounds except for 3,3-Dichlorobenzidine[63%], 3-Nitroaniline[49%] and 4-Chloroaniline[26%], Recovery is failing due to matrix interference therefor not further corrective action was required.

The MSD {Q1422-01MSD} with File ID: BF141785.D recoveries met the acceptable requirements except for 3,3-Dichlorobenzidine[63%], 3-Nitroaniline[47%] and 4-Chloroaniline[27%], , Recovery is failing due to matrix interference therefor not further corrective action was required.

The RPD met criteria.

The Blank Spike for {PB166870BS} with File ID: BF141779.D met requirements for all samples except for 3,3-Dichlorobenzidine[58%], 3-Nitroaniline[45%] and 4-Chloroaniline[32%], Associated samples does not have hit for these compound, no further corrective action was required.



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

The Initial Calibration met the requirements.

The Continuous Calibration File ID BF141775.D met the requirements except for Bis(2-ethylhexyl)phthalate and Di-n-octyl phthalate, There is no hit for this compounds in any samples , no further corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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_____