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CASE NARRATIVE

Portal Partners Tri-Venture

Project Name: Amtrak Sawtooth Bridges 2025

Project # N/A

Chemtech Project # Q1194

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 01/27/2025.

3 Water samples were received on 01/27/2025.

B. Parameters

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

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOC-TCLVOA-10 was based on method 8260-Low, 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for B-110-SB01RE [4-Bromofluorobenzene - 63%], B-110-SB02 [4-Bromofluorobenzene - 68%], these compound did not meet the NJDKQP criteria but met the in-house criteria

The Internal Standards Areas met the acceptable requirements except for B-110-SB01, B-110-SB01RE The failure sample in Internal standard was reanalyzed to confirm the failure as per method and reported.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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



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The Continuous Calibration File ID VN085516.D met the requirements except for Carbon Disulfide failing low but marginally low therefor no corrective action taken. and Methyl tert-butyl Ether failing high but no positive hits in associated samples therefor no corrective action taken.

The Continuous Calibration File ID VN085526.D met the requirements except for 2-Hexanone and Styrene failing high but no positive hits in associated samples therefor no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

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_____