

CASE NARRATIVE

Portal Partners Tri-Venture

Project Name: Amtrak Sawtooth Bridges 2025

Project # N/A

Order ID # Q2832

Test Name: TCLP Herbicide

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: TCLP Herbicide. This data package contains results for TCLP Herbicide.

C. Analytical Techniques:

The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 11324. The analysis of TCLP Herbicides was based on method 8151A and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for

TG-S01 [2,4-DCAA(1)134%],

TG-S03 [2,4-DCAA(1)131%],

TG-S04 [2,4-DCAA(1)135%],

TG-S04RE [2,4-DCAA(1)135%],

TG-S05 [2,4-DCAA(1)135%],

TG-S05RE [2,4-DCAA(1)131%] these compounds did not meet the NJDKQP criteria but met the in-house criteria also

TG-S02 [2,4-DCAA(2)144%],

TG-S02RE [2,4-DCAA(2)144%],

TG-S03 [2,4-DCAA(2)148%],

TG-S03RE [2,4-DCAA(2)146%],

TG-S04 [2,4-DCAA(2)154%],

TG-S04RE [2,4-DCAA(2)154%],

TG-S05 [2,4-DCAA(2)152%],

TG-S05RE [2,4-DCAA(2)149%].

these compounds did not meet the NJDKQP criteria and in-house criteria, All the failure samples in surrogates were reanalysed to confirm the results as per method and reported in the data and

TG-S01 [2,4-DCAA(2)150%],
TG-S01MS [2,4-DCAA(1)155%, 2,4-DCAA(2)175%],
TG-S01MSD [2,4-DCAA(1)156%, 2,4-DCAA(2)176%] these compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference surrogate failure confirm with their original sample.

The Retention Times were met for all analysis.

The MS {Q2832-02MS} with File ID: PS031462.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)151% - 2,4,5-TP(Silvex)(2)152%] and [2,4-D(1)183% - 2,4-D(2)166%], These compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The MSD {Q2832-02MSD} with File ID: PS031463.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)153% - 2,4,5-TP(Silvex)(2)161%] and [2,4-D(1)184% - 2,4-D(2)159%] These compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

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:

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_____