



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

Project # N/A

Chemtech Project # O1821

Test Name: Diesel Range Organics

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 03/03/2023.

1 Water sample was received on 03/03/2023.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, 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 Metals+Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TCLP Metals Group1, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for Diesel Range Organics.

C. Analytical Techniques:

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 were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. The analysis of Diesel Range Organics was based on method 8015D 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 except for SS-10-20230306MS [Tetracosane-d50 - 0%], SS-10-20230306MSD [Tetracosane-d50 - 0%].

The Retention Times were acceptable for all samples.

The MS {O1829-11MS} with File ID: FG011537.D recoveries met the requirements for all compounds except for DRO[1068%] due to matrix interference.

The MSD {O1829-12MSD} with File ID: FG011538.D recoveries met the acceptable requirements except for DRO[1470%] due to matrix interference.

The RPD for File ID: FG011538.D met criteria except for DRO[31.6%] due to matrix interference.

The Blank Spike met requirements for all samples.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.



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E. Additional Comments:

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

O1829-11MS/12MSD: Recovery and RPD are failed and surrogate peak is not identified due to sample is very bad matrix.

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_____