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CASE NARRATIVE

RU2 Engineering, LLC

Project Name: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Project # N/A

Chemtech Project # Q1216

Test Name: Diesel Range Organics

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 01/29/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL and VOCMS Group1. This data package contains results for Diesel Range Organics.

C. Analytical Techniques:

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 JPP-26.1-012825 [Tetracosane-d50 - 168%] but this sample was required dilution as well due to high concentration, therefore no further corrective action taken.

The Retention Times were acceptable for all samples.

The MS {Q1215-01MS} with File ID: FG015260.D recoveries met the requirements for all compounds except for DRO[-143%] Due to matrix interference.

The MSD {Q1215-01MSD} with File ID: FG015261.D recoveries met the acceptable requirements except for DRO[-126%] .

The RPD met criteria .

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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Samples JPP-18.1-012825, JPP-21.1-012825, JPP-21.2-012825, JPP-26.1-012825 and JPP-26.2-012825 were diluted due to bad matrices. The above sample original run is reported as screening data in miscellaneous data.

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_____