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CASE NARRATIVE

AECOM Technical Services, Inc.

Project Name: NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258

Project # N/A

Chemtech Project # Q1531

Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:

21 Water samples were received on 03/07/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for SVOC-SIMGroup1.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for, PB167057BS [2-Fluorobiphenyl - 113%], RE126D2-20250306 [Terphenyl-d14 - 135%], DUP01-20250306 [Terphenyl-d14 - 149%], RE103D1-20250306 [Terphenyl-d14 - 257%], RE103D1-20250306DL [Terphenyl-d14 - 228%], RE103D2-20250306 [Terphenyl-d14 - 206%], RE108D2-20250306 [Terphenyl-d14 - 160%], RE105D1-20250306 [Terphenyl-d14 - 155%], RE105D2-20250306 [Terphenyl-d14 - 197%], RE105D2-20250306DL [Terphenyl-d14 - 206%] and RE104D2-20250307 [Terphenyl-d14 - 136%]. Failed surrogates are not associated with DOD, Therefore no further corrective action was required.

The Internal Standards Areas met the acceptable requirements except for PB167057BS. Failed Internal Standards are not associated with client parameter list, Therefore no further corrective action was required.

The Retention Times were acceptable for all samples.

The MS {Q1531-08MS} with File ID: BN036579.D recoveries met the requirements for all compounds except for 1,4-Dioxane[171%] Recovery failed due to matrix interference, Therefore no corrective action was taken.

The MSD recoveries met the acceptable requirements.

The RPD for {Q1531-09MSD} with File ID: BN036580.D met criteria except for 1,4-Dioxane[54%] due to difference in results of MS and MSD.

The sample # RE103D1-20250306MS and RE103D1-20250306MSD is failing for 1,4-Dioxane and the original sample(RE103D1-20250306) is reported with M flag for this compound.

The Blank Spike met requirements for all sample.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

Samples RE103D1-20250306, RE105D2-20250306, RE125D1-20250307 and RE125D2-20250307 were diluted due to high concentrations.

E. Additional Comments:

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

The not QT review data is reported in the Miscellaneous.

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.



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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_____