



284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

AECOM Technical Services, Inc.

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

Project # N/A

Order ID # Q2299

Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:

22 Water samples were received on 06/11/2025.

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 RW10A-MW01S-20250609 [Terphenyl-d14 - 136%], TT158I1-20250610 [Terphenyl-d14 - 142%], DUP01-20250610 [Terphenyl-d14 - 182%], RE131D2-20250610DL [Terphenyl-d14 - 151%], DUP02-20250610 [Terphenyl-d14 - 212%], DUP02-20250610DL [Nitrobenzene-d5 - 49% and Terphenyl-d14 - 288%], These failure surrogates are not associated with the client list, as per criteria affected surrogates were passing, therefore no corrective action was taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {Q2299-03MS} with File ID: BN037246.D recoveries met the requirements for all compounds except for 1,4-Dioxane[-50%], due to matrix interference.

The MSD {Q2299-04MSD} with File ID: BN037247.D recoveries met the acceptable requirements except for 1,4-Dioxane[0%], due to matrix interference.

The RPD for {Q2299-04MSD} with File ID: BN037247.D met criteria except for 1,4-Dioxane[200%], due to difference in results of MS and MSD.



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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 .
The Tuning criteria met requirements.

Samples RE131D2-20250610, DUP02-20250610 and RE134D3-20250610 were diluted due to high concentrations.

E. Additional Comments:

The sample # TT191D1-20250609MS and TT191D1-20250609MSD is failing for 1,4-Dioxane and the original sample(TT191D1-20250609) is reported with M flag for this compounds.

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.

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_____