

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage 112G08005-WE13

Project Manager : Ernie Wu

Order ID # Q3292

Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:

2 Water samples were received on 10/06/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1. 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-GGA. The 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 were met for all analysis except for, RW8-SP100-20251003 [Terphenyl-d14 - 143%], BP-VPB-184-GW-740-742MS [2-Fluorobiphenyl - 183%, Terphenyl-d14 - 269%] and BP-VPB-184-GW-740-742MSD [2-Fluorobiphenyl - 218%, Terphenyl-d14 - 553%]. Failed surrogates are not associated with DOD, therefor no further corrective action was taken.

The Internal Standards Areas were met for all analysis except for PB170022BL, PB170022BS, BP-VPB-184-GW-740-742MS and BP-VPB-184-GW-740-742MSD. Failed internal standard is not associated with DOD, therefor no further corrective action was taken.

The Retention Times were met for all analysis.

The MS {Q3298-06MS} with File ID: BN038086.D recoveries met the requirements for all compounds except for 1,4-Dioxane[168%], Recovery failed due to matrix interference, therefor no further corrective action was taken.



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The MSD {Q3298-07MSD} with File ID: BN038087.D recoveries met the requirements for all compounds except for 1,4-Dioxane[173%], Recovery failed due to matrix interference , therefor no further corrective action was taken.

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 File ID BN038066.D met the requirements except for Nitrobenzene-d5 and Phenol-d6. Failed surrogates are not associated with DOD, Therefor no further corrective action was taken.

The Continuous Calibration File ID BN038083.D met the requirements except for 2,4,6-Tribromophenol and Phenol-d6. Failed surrogates are not associated with DOD, Therefor no further corrective action was taken.

The Tuning criteria met requirements.

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.

The laboratory certifies that the all-electronic diskette deliverable exactly match the data Summary forms (i.e. Form Is)."

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_____