



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

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage CTO WE13 - VPB-192 #112G08005

Project Manager: Ernie Wu

Chemtech Project # Q1380

Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 02/17/2025.

6 Water samples were received on 02/17/2025.

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 PB166758BS [2-Fluorobiphenyl - 118%], BP-VPB-192-EB-20250212 [Terphenyl-d14 - 146%], BP-VPB-192-GW-780-782 [2-Fluorobiphenyl - 118%], BP-VPB-192-GW-780-782MS [2-Fluorobiphenyl - 110%, Terphenyl-d14 - 135%], BP-VPB-192-GW-780-782MSD [2-Fluorobiphenyl - 113%, Terphenyl-d14 - 138%], failure surrogates are not associated with the client list, as per criteria affected surrogates were passing, therefore no corrective action was taken while, VPB192-HYD-20250214 [2-Methylnaphthalene-d10 - 6%] surrogate failing biased low also Due to the limited volume of this sample, it will not be re-extracted therefore no corrective action taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {Q1380-10MS} with File ID: BN036477.D recoveries met the requirements for all compounds except for 1,4-Dioxane[64%] due to matrix interference.

The MSD recoveries met the acceptable requirements .



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The sample # BP-VPB-192-GW-780-782MS is failing for 1,4-Dioxane and the original sample(BP-VPB-192-GW-780-782) is reported with M flag for this compound.

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 .

The Tuning criteria met requirements.

E. Additional Comments:

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

Less volume was taken for samples #BP-VPB-192-GW-780-782, BP-VPB-192-GW-780-782MS,BP-VPB-192-GW-780-782MSD at the time of extraction due to Limited volume received.

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_____



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