

## **CASE NARRATIVE**

**Tetra Tech NUS, Inc.**

**Project Name: NWIRP Bethpage 112G08005-WE13**

**Project Manager : Ernie Wu**

**Order ID # Q3371**

**Test Name: SVOC-SIMGroup1**

### **A. Number of Samples and Date of Receipt:**

6 Water samples were received on 10/16/2025.

### **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 except for VPB184-HYD-20251010 out of extraction holding time as receive late in Lab.

The Surrogate recoveries were met for all analysis except for,

PB170167BS [2-Fluorobiphenyl - 111%],

BP-VPB-184-EB-20251016 [Terphenyl-d14 - 137%],

BP-VPB-184-GW-920-922 [Terphenyl-d14 - 137%], Failed surrogate is not associated with DOD, Therefore no further corrective action was taken.

and

VPB184-HYD-20251010 [2-Methylnaphthalene-d10 - 4%, Fluoranthene-d10 - 10%, Terphenyl-d14 - 137%],

VPB184-HYD-20251016 [2-Methylnaphthalene-d10 - 4%, Fluoranthene-d10 - 11%].

Surrogate were affected due to matrix interference, as evidenced by the chromatogram.

As no additional volume of each sample was available for re-extraction, they could not be re-extracted and as the re-analysis would have given the same results, they were not reanalyzed.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.



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

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

Samples VPB184-HYD-20251010 has the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form1.

**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\_\_\_\_\_