

## **CASE NARRATIVE**

**Tetra Tech NUS, Inc.**

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

**Project Manager : Ernie Wu**

**Order ID # Q3298**

**Test Name: SVOC-SIMGroup1**

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

5 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-Semi Volatiles 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 BP-VPB-184-EB-20251003 [2-Fluorobiphenyl - 110%, Terphenyl-d14 - 144%], 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%], The failure surrogates not associated with the client parameters list, therefore no corrective action was taken, and VPB184-HYD-20251003 [ 2-Fluorobiphenyl - 117%, 2-Methylnaphthalene-d10 - 0%, Fluoranthene-d10 - 14%, Terphenyl-d14 - 147%], due to matrix interference.

The Internal Standards Areas were met for all analysis except for PB170022BL, PB170022BS, VPB184-HYD- 20251003, BP-VPB-184-GW-740-742MS and BP-VPB-184-GW-740-742MSD, The failure Internal Standard not associated with the client parameters list, therefore no 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%] due to matrix interference.

The MSD {Q3298-07MSD} with File ID: BN038087.D recoveries met the requirements for all compounds except for 1,4-Dioxane[173%] due to matrix interference.



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

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, The failure compounds not associated with the client parameters list, therefore no corrective action was taken.

The Continuous Calibration File ID BN038083.D met the requirements except for 2,4,6-Tribromophenol and Phenol-d6, The failure compounds not associated with the client parameters list, therefore no corrective action was taken.

The Tuning criteria met requirements.

**E. Additional Comments:**

The sample # BP-VPB-184-GW-740-742MS and BP-VPB-184-GW-740-742MSD is failing for 1,4-Dioxane and the original sample(BP-VPB-184-GW-740-742) is reported with M flag for this compounds.

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

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.

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