



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

## **CASE NARRATIVE**

**Tetra Tech NUS, Inc.**

**Project Name: CTO WE13**

**Project Manager: Ernie Wu**

**Chemtech Project # Q1401**

**Test Name: SVOC-SIMGroup1**

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

3 Solid samples were received on 02/20/2025.

5 Water samples were received on 02/20/2025.

### **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 PB166832BS [2-Fluorobiphenyl - 112%], PB166832BSD [2-Fluorobiphenyl - 111%], BP-VPB-192-GW-825-827 [Terphenyl-d14 - 56%], BP-VPB-192-GW-860-862 [2-Fluorobiphenyl - 118%], BP-VPB-192-GW-860-862RE [2-Fluorobiphenyl - 115%] and BP-VPB-192-GW-900-902 [2-Fluorobiphenyl - 118%], 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 except for BP-VPB-192-GW-860-862, BP-VPB-192-GW-860-862RE, All the failure samples in Internal Standard were reanalyzed to confirm the results as per method and reported in the data.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate 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 .



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The Tuning criteria met requirements.

**E. Additional Comments:**

Less volume was taken for samples # BP-VPB-192-GW-825-827, BP-VPB-192-GW-860-862 at the time of extraction due to Muddy matrix.

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.

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.

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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\_\_\_\_\_