



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

## **CASE NARRATIVE**

### **Chemtech Consulting Group**

**Project Name: NJ Waste Water PT**

**Project # N/A**

**Chemtech Project # P3845**

**Test Name: SVOCMS Group3**

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

22 Water samples were received on 09/05/2024.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide group1, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, SVOCMS Group6, VOCGC Group 1 and VOCMS Group1. This data package contains results for SVOCMS Group3.

### **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 SVOCMS Group3 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 PT-BN-WP [2-Methylnaphthalene-d10 - 0%, Fluoranthene-d10 - 0%], PT-BN-WPDL [2-Methylnaphthalene-d10 - 0%, Fluoranthene-d10 - 0%], PB163341BS [2-Fluorophenol - 102% and Phenol-d6 - 101%], This sample was extracted for full scan analysis and above mention surrogates were not part of full scan extraction therefore no corrective action is required.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD for {PB163341BSD} with File ID: BN034053.D met criteria except for 1,4-Dioxane[35%], Atrazine[34%], due to difference in results of BS and BSD.

The Blank Spike for {PB163341BS} with File ID: BN034052.D met requirements for all samples except for Hexachlorobenzene[128%], marginally high therefore no corrective action was taken.



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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 .  
The Tuning criteria met requirements.

Sample PT-BN-WP was diluted due to high concentration.

**E. Additional Comments:**

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.  
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 <15% 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 > 15% 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\_\_\_\_\_