

## **CASE NARRATIVE**

**New York City DEP of Environmental Protection/BWS**

**Project Name: Industrial Wastewater Discharge Permit - Fall 2024**

**Project # N/A**

**Chemtech Project # P5051**

**Test Name: VOCMS Group1**

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

7 Water samples were received on 12/02/2024.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Cyanide, Cyanide-Amenable, Field pH, Field Temperature, Hexavalent Chromium, Mercury, Metals Group1, Metals ICP-Group1, Non-Polar Material, TSS and VOCMS Group1. This data package contains results for VOCMS Group1.

### **C. Analytical Techniques:**

The analysis performed on instrument MSVOA\_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868. The analysis of VOCMS Group1 was based on method 624.1.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

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 .

The Tuning criteria met requirements.

Samples 14B-1, 14B-2, 14B-3 and 14B-4 analyzed with 5x dilution due to samples having much sediment and not allowing straight run analysis.

### **E. Additional Comments:**

“As per method, MS/MSD is required to be performed with the sample analysis.

However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead.”



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Trip Blank was not provided with this set of samples.

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 <35% 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 > 35% 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\_\_\_\_\_