



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 # Q1774**

**Test Name: VOCMS Group4**

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

3 Water samples were received on 04/10/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH and VOCMS Group4. This data package contains results for VOCMS Group4.

### **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 Group4 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 for {VN0411WBSD01} with File ID: VN086250.D met criteria except for Acrolein[23%] due to difference in results of BS and BSD.

The Blank Spike for {VN0411WBS01} with File ID: VN086249.D met requirements for all samples except for Carbon disulfide[109%] is failing high but no positive hit in associate sample therefore no corrective action taken.

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.

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

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



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“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.”.

VIAL A and B combined to run samples#02,03 and 04 as all vials contained much sediment.

The SDG Q1774 is logged for VOCMS group4. Lab not certified for Hexachloroethane, Iodomethane, Methyl Methacrylate and tert-Butylbenzene compounds for 624.1 method.

The Sample # TT-075-IDWGW-20250409 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

Trip Blank was not provided with this set of samples.  
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 <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\_\_\_\_\_