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

CASE NARRATIVE

Chemtech Consulting Group
Project Name: NJ Drinking Water PT
Project # N/A
Chemtech Project # Q1172
Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:
11 Water samples were received on 01/15/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Hardness, Calcium, Hardness, Total, Mercury, Metals Group3, Metals Group6, Metals Group7, Silica, Turbidity, VOCGC Group 1, VOCMS Group1, VOCMS Group2, VOCMS Group3, VOCMS Group4 and VOCMS Group5. This data package contains results for VOCMS Group3.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_U were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOCMS Group3 was based on method 524.2.

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 {VU0212WBSD01} with File ID: VU063252.D met criteria except for tert-Butyl Alcohol[30%] due to difference in results of BS-BSD.

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 %RSD is greater than 20% in the Initial Calibration method (524U021025DW.M) for Naphthalene, tert-Butyl Alcohol these compounds are passing on Linear Regression.

The Continuous Calibration File ID VU063249.D met the requirements except for 4-Bromofluorobenzene failing high which is not our target compound therefore no corrective action taken.

The Tuning criteria met requirements.

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Sample PT-ADD-WS was diluted due to high concentration.

E. Additional Comments:

The Sample #PT-ADD-WSDL have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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.

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_____