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

CASE NARRATIVE

Alliance Technical Group, LLC - Newark
Project Name: NJ Drinking Water PT
Project # N/A
Order ID # Q2552
Test Name: VOCMS Group2

A. Number of Samples and Date of Receipt:
1 Water sample was received on 07/09/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group2. This data package contains results for VOCMS Group2.

C. Analytical Techniques:
The analysis perform ed on instrument MSVOA_U were done using GC colu mn DB-624UI 20m 0.18mm 1.0 um . Cat#121-1324UI. The analysis of VOCMS Group2 was based on method 524.2.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The RPD for {VU0718WBSD02} with File ID: VU063536.D met criteria except for 1,2-Dichloroethane[29%], 2-Butanone[33%], 2-Hexanone[27%], Acetone[69%] and Benzene[29%] due to difference in results of BS and BSD.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate for {VU0718WBSD02} with File ID: VU063536.D met requirements for all compounds except for 2-Butanone[154%], 2-Hexanone[131%] and Acetone[209%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (524U071625DW.M) Iodomethane this compound is passing on Linear Regression and 1,2-Dibromo-3-Chloropropane these compounds are passing on Quadratic Regression.

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The Continuous Calibration File ID VU063532.D met the requirements except for 2-Butanone and Acetone are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Sample WS0725-PT-UNROVA-WS was diluted due to high concentration.

E. Additional Comments:

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_____