



284 Sheffield Street, Mountainside, NJ 07092
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CASE NARRATIVE

Garden State Laboratories, Inc.

Project Name: Waste Water 2025

Project # N/A

Order ID # Q2790

Test Name: VOCMS Group2

A. Number of Samples and Date of Receipt:

2 Water sample was received on 08/07/2025.

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 performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOCMS Group2 was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for 250806062-03 Trip blank [Toluene-d8 - 80%] Laboratory received only two Vials for this sample, One vial for 8260 analysis and one vial for 624 analysis. There are no more vials to re-analyze this sample, therefore this sample reported with surrogate failure as final results.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration File ID VX047251.D met the requirements except for Dichlorodifluoromethane and Vinyl Chloride are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Sample 250806078-01 VOA was diluted due to high concentration.



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E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

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_____