

CASE NARRATIVE

Garden State Laboratories, Inc.

Project Name: Waste Water 2025

Project # N/A

Order ID # Q3078

Test Name: VOCMS Group2

A. Number of Samples and Date of Receipt:

2 Water samples were received on 09/11/2025.

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_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. 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.

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 for {VN0911WBS01} with File ID: VN087795.D met requirements for all compounds except for 1,1,2-Trichloroethane[113%], 1,2-Dichlorobenzene[110%], 1,3-Dichlorobenzene[110%], Benzene[111%], Bromodichloromethane[112%], Bromoform[121%], Bromomethane[130%], Chlorobenzene[113%], Chloromethane[123%], cis-1,3-Dichloropropene[113%], Dibromochloromethane[111%], m/p-Xylenes[113%], Styrene[114%] and t-1,3-Dichloropropene[111%].

The Blank Spike Duplicate for {VN0911WBSD01} with File ID: VN087796.D met requirements for all compounds except for 1,2-Dibromoethane[111%], 1,2-Dichlorobenzene[110%], Benzene[110%], Bromodichloromethane[111%], Bromoform[121%], Carbon Tetrachloride[119%], Chlorobenzene[110%], Dibromochloromethane[111%], Ethyl Benzene[112%], m/p-Xylenes[116%], Methylcyclohexane[117%], o-Xylene[111%] and Styrene[113%].

Above Blank Spike and Blank Spike Duplicate are failing high and associate samples having positive hit of many compounds but no more vial left for reanalysis, therefore no corrective action taken.



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

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

The %RSD is greater than 20% in the Initial Calibration method (82N082125W.M) for Methylene Chloride passing on Linear regression.

The Continuous Calibration File ID VN087792.D met the requirements except for Bromochloromethane is failing marginally low therefore no corrective action taken.

The Tuning criteria met requirements.

Sample 250910074-01-VOA was diluted due to high concentration.

E. Additional Comments:

This data package has been revised due to client ID changed for sample#02 as per client request.

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_____