

CASE NARRATIVE

Garden State Laboratories, Inc.

Project Name: Waste Water 2025

Project # N/A

Order ID # Q2302

Test Name: VOCMS Group2

A. Number of Samples and Date of Receipt:

2 Water samples were received on 06/12/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOCMS Group1 and 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 met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike for {VN0612WBS01} with File ID: VN086970.D met requirements for all samples except for 1,1,1-Trichloroethane[109%], 1,1,2-Trichloroethane[114%], 1,2-Dibromoethane[111%], 1,2-Dichlorobenzene[110%], 1,2-Dichloropropane[112%], 1,4-Dichlorobenzene[110%], Bromoform[115%], Dibromochloromethane[112%] and t-1,3-Dichloropropene[111%] . Failing high and associated samples were reanalyzed to confirm results, Original and Reanalysis both are reported.

The Blank Spike Duplicate for {VN0612WBSD01} with File ID: VN086971.D met requirements for all samples except for 1,1,2,2-Tetrachloroethane[119%], 1,1,2-Trichloroethane[116%], 1,2-Dibromoethane[115%], 1,2-Dichlorobenzene[112%], 1,2-Dichloropropane[112%], 1,4-Dichlorobenzene[109%], 4-Methyl-2-Pentanone[120%], Bromodichloromethane[116%], Bromoform[123%], cis-1,3-Dichloropropene[113%], Dibromochloromethane[117%] and t-1,3-Dichloropropene[116%]. Failing high and associated samples were reanalyzed to confirm results, Original and Reanalysis both are reported.



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The Blank Spike for {VN0613WBS01} with File ID: VN087000.D met requirements for all samples except for 1,1-Dichloroethene[111%], Bromoform[114%], Carbon disulfide[117%] and o-Xylene[110%]. Failing high and associated samples were reanalyzed to confirm results, Original and Reanalysis both are reported.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID VN086967.D met the requirements except for Bromoform. failing high but no positive hit in associated samples therefore no corrective action was taken.

The Tuning criteria met requirements.

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..

The pH value of the samples was 6.0 as samples received unpreserved.
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_____