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CASE NARRATIVE

Garden State Laboratories, Inc.

Project Name: Waste Water 2025

Project # N/A

Order ID # Q3689

Test Name: VOCMS Group1,VOCMS Group2

A. Number of Samples and Date of Receipt:

2 Water samples were received on 11/20/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOCMS Group1,VOCMS Group2. This data package contains results for VOCMS Group1(624.1),VOCMS Group2(8260-Low).

C. Analytical Techniques:

VOCMS Group1 : 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 Group1 was based on method 624.1.

VOCMS Group2 : 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 following

VOCMS Group1 : 251119071-01 VOA [1,2-Dichloroethane-d4 - 111%], %], due to difficult matrix, therefore no corrective action taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD recoveries met criteria.

The Blank Spike met requirements for all compounds except following

VOCMS Group2 : The Blank Spike for { VX1120WBS01 } with File ID: VX048626.D met requirements for all compounds except for 1,1,1-Trichloroethane[112%], 1,1,2-Trichloroethane[128%], 1,1,2-Trichlorotrifluoroethane[123%], 1,1-Dichloroethene[112%], 1,2-Dibromoethane[123%], 1,2-Dichloropropane[115%], 2-Hexanone[120%], 4-Methyl-2-Pentanone[120%], Bromodichloromethane[120%], Bromomethane[127%], cis-1,3-Dichloropropene[119%], Dibromochloromethane[125%], Isopropylbenzene[117%], t-1,3-Dichloropropene[115%] and Toluene[123%].



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The Blank Spike Duplicate met requirements for all compounds except following VOCMS Group2 : The Blank Spike Duplicate for {VX1120WBSD01} with File ID: VX048630.D met requirements for all compounds except for 1,1,2-Trichloroethane[141%], 1,2-Dibromoethane[134%], 2-Hexanone[130%], 4-Methyl-2-Pentanone[130%], Bromodichloromethane[120%], cis-1,3-Dichloropropene[117%], Dibromochloromethane[136%], t-1,3-Dichloropropene[113%] and Toluene[114%]. Above Blank Spike and Blank Spike Duplicate failing high for above mentioned compound and associate sample # 01 having positive hit for some compounds, but now no more vial left for reanalysis therefore lab reported this analysis as final.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements except following VOCMS Group2 : The Continuous Calibration File ID VX048623.D met the requirements except for Carbon Disulfide failing marginally low therefore no corrective action taken.

The Tuning criteria met requirements.

VOCMS Group2 : Sample 251119071-01 VOA was diluted due to high concentration.

E. Additional Comments:

VOCMS Group1 : "As per method, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead."

VOCMS Group2 : Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

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_____