

CASE NARRATIVE

G Environmental

Project Name: Buff

Project # N/A

Order ID # Q2964

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 08/26/2025.

1 Water sample was received on 08/26/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOCMS Group1. This data package contains results for VOCMS Group1.

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 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 Group1 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 {VX0827WBS01} with File ID: VX047537.D met requirements for all compounds except for Methylcyclohexane[68%]this compound did not meet the NJDKQP criteria and in-house criteria, failing low but only dilution sample analyzed under this blank spike and dilution not required for failing analyte therefore no corrective action taken.

The Blank Spike Duplicate met requirements for all compounds.

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 VX047534.D met the requirements except for Methyl Acetate is failing high but only dilution sample analyzed under this blank spike and dilution not required for failing analyte therefore no corrective action taken.



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The Tuning criteria met requirements.

Sample MW3 was diluted due to high concentration.

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.

Trip Blank was not provided with this set of samples.

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_____