

CASE NARRATIVE

AECOM

Project Name: National Grid Equity - Brooklyn NY

Project # N/A

Order ID # Q2900

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

8 Water samples were received on 08/18/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

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 VOC-TCLVOA-10 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 MN-12C-081825 [1,2-Dichloroethane-d4 - 127%, Dibromofluoromethane - 132%] and DUP-01-081825 [1,2-Dichloroethane-d4 - 126%] due to high concentration of compounds, these samples required dilution. Therefore, samples were reanalyzed with dilution and reported. MW-11B-081825 [1,2-Dichloroethane-d4 - 126%] and MW-11B-081825RE [4-Bromofluorobenzene - 125%]. samples were reanalyzed to confirm the failure and reported.

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 met the requirements.

The Tuning criteria met requirements.

Samples MN-12C-081825, DUP-01-081825 and MW-11C-081825 were diluted due to high concentrations.



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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_____