

CASE NARRATIVE

AECOM

Project Name: National Grid Equity - Brooklyn NY

Project # N/A

Order ID # Q2903

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

13 Water samples were received on 08/19/2025.

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 MW-1C-081925 [1,2-Dichloroethane-d4 - 130%], MW-1C-081925RE [1,2-Dichloroethane-d4 - 132%, 4-Bromofluorobenzene - 124%], All the failure samples in surrogates was reanalyzed to confirm the failure as per method and reported, MW-6B-081925MS [1,2-Dichloroethane-d4 - 131%], MW-6B-081925MSD [1,2-Dichloroethane-d4 - 146%, 4-Bromofluorobenzene - 130%, Dibromofluoromethane - 128%, Toluene-d8 - 122%] Surrogate failing for MS-MSD but Original sample passing for that therefore no corrective action taken and MW-12B-081925 [4-Bromofluorobenzene - 123%] Due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The MS {Q2903-05MS} with File ID: VX047507.D recoveries met the requirements for all compounds except for 1,3-Dichlorobenzene[83%] due to matrix interference.

The MSD {Q2903-06MSD} with File ID: VX047508.D recoveries met the requirements for all compounds except for 2-Butanone[140%], Bromochloromethane[137%],



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Chloroform[122%], Methyl Acetate[147%] and Methylene Chloride[119%] due to matrix interference.

The RPD for {Q2903-06MSD} with File ID: VX047508.D met criteria except for Bromomethane[25%] due to difference in results of MS-MSD.

The Blank Spike for {VX0825WBS01} with File ID: VX047514.D met requirements for all compounds except for Bromochloromethane[138%] failing high but no positive hit in associated sample therefore no corrective action taken.

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

The Continuous Calibration File ID VX047511.D met the requirements except for 2-Butanone and Methyl Acetate failing high but no positive hit in associated sample therefore no corrective action taken.

The Tuning criteria met requirements.

Sample MW-12B-081925 was diluted due to high concentration.

E. Additional Comments:

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_____



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