

CASE NARRATIVE

AECOM

Project Name: National Grid Equity - Brooklyn NY

Project # N/A

Order ID # Q2900

Test Name: SVOC-TCL BNA -20

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: SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3510.

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 [2-Fluorophenol - 22%, Nitrobenzene-d5 - 246%], MN-12C-081825DL2 [2-Fluorobiphenyl - 133%], DUP-01-081825 [2-Fluorophenol - 20%, Nitrobenzene-d5 - 258%], DUP-01-081825DL2 [2,4,6-Tribromophenol - 40%], MW-11C-081825 [Nitrobenzene-d5 - 200%], MW-11C-081825DL2 [2,4,6-Tribromophenol - 38% and 2-Fluorobiphenyl - 134%], as per method one acid and one base surrogate is allowed to failed, therefore no corrective action was taken.

The Internal Standards Areas were met for all analysis except for MN-12C-081825, DUP-01-081825 and MW-11C-081825, but these samples were required further dilution as well due to high concentration, therefore original and Dilution analysis were reported and no further corrective action taken.

The Retention Times were met for all analysis.

The RPD for {PB169313BSD} with File ID: BF143489.D met criteria except for 3,3-Dichlorobenzidine[47%], 3-Nitroaniline[34%] and 4-Chloroaniline[78%] due to difference in results of BS and BSD.

The Blank Spike met requirements for all compounds.



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The Blank Spike Duplicate for {PB169313BSD} with File ID: BF143489.D met requirements for all compounds except for 3,3-Dichlorobenzidine[41%] and Butylbenzylphthalate[108%] but no positive hits in associated samples therefore no corrective action taken.

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

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF082025.M) for Hexachlorocyclopentadiene, 2,4-Dinitrophenol these Compounds are passing on Linear regression.

The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

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

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.

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_____