CASE NARRATIVE

PARSONS Engineering of New York, Inc.
Project Name: Con Ed Non MGP – Atlantic Ave 453957.600024.05
Project # N/A
Order ID # Q2231
Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:
6 Water samples were received on 06/04/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Sulfate, SVOCMS Group1, TDS and VOCMS Group1. This data package contains results for SVOCMS Group1.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOCMS Group1 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 met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {Q2230-03MS} with File ID: BP024879.D recoveries met the requirements for all compounds except for 1,4-Dioxane[35%], Recovery failed due to matrix interference, Therefor no further corrective action was taken.

The MSD {Q2230-04MSD} with File ID: BP024880.D recoveries met the acceptable requirements except for 1,4-Dioxane[36%] , Recovery failed due to matrix interference, Therefor no further corrective action was taken.

The RPD met criteria.
The Blank Spike met requirements for all samples.

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

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BM060525.M) for 2,4-Dinitrophenol this Compound is passing on Linear regression. And Method is failed for Di-n-octyl phthalate Under this Initial Calibration only diluted samples were analyzed and failed compounds in Initial Calibration are not associated , therefor no further corrective action was required.

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BP060625.M) for 2,4-Dinitrophenol, 4-Nitrophenol these compound are passing on Linear Regression.

The Continuous Calibration File ID BM050262.D met the requirements except for 2,4-Dinitrophenol,4,6-Dinitro-2-methylphenol and Pentachlorophenol . Under this Continuous Calibration only diluted samples were analyzed and failed compounds in Continuous Calibration are not associated , therefor no further corrective action was required.

The Tuning criteria met requirements.

Samples MW-14-20250604, MW-14-20250604DL were diluted due to high concentrations.

E. Additional Comments:

Alliance has analyzed samples for SVOCMS Group1 **by Method 8270 E for Project "Con Ed Non MGP – Atlantic Ave".** Alliance certification was in applied status for compound "2,4-Dimethylphenol" with NJDEP for **Method 8270E for SVOC group 1** at the time when samples for **Project "Con Ed Non MGP – Atlantic Ave** "were analyzed.

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 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_____