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CASE NARRATIVE

PARSONS Engineering of New York, Inc.

Project Name: Con Ed Non MGP – Atlantic Ave 453957.600024.05

Project # N/A

Order ID # Q2202

Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:

6 Water samples were received on 06/03/2025.

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_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. 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-GG. The 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-GG. The 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%], due to matrix interference.

The MSD {Q2230-04MSD} with File ID: BP024880.D recoveries met the acceptable requirements except for 1,4-Dioxane[36%], due to matrix interference.

The RPD met criteria .

The Blank Spike met requirements for all samples .

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



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The % RSD is greater than 20% in the Initial Calibration (8270-BM060525.M) for 2,4-Dinitrophenol this compound is passing on Quadratic Regression. and Di-n-octyl phthalate fail for Initial Calibration but Under this Initial calibration only diluted samples was analyzed, Failed compound is not associated, therefore no further corrective action was taken.

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

The Continuous Calibration File ID BF142640.D met the requirements except for 4-Nitrophenol, is marginally biased Low and Bis(2-ethylhexyl)phthalate and Di-n-octyl phthalate, are biased high but no positive hit in associated sample therefore no corrective action taken.

The Continuous Calibration File ID BM050262.D met the requirements except for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol are Failing low Pentachlorophenol is failing high and Under this Continuous calibration only diluted samples was analyzed, Failed compound is not associated, therefore no further corrective action was taken.

The Tuning criteria met requirements.

Sample MW-12-20250603 was diluted due to high concentration.

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.



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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_____