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CASE NARRATIVE

PARSONS Main of New York, Inc.

Project Name: Con Edison Non-MGP - Atlantic Avenue

Project # N/A

Chemtech Project # P5291

Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:

13 Water samples were received on 12/16/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Flash Point, PCB, pH, Reactive Cyanide, Reactive Sulfide, Sulfate, SVOCMS Group1, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA, TCLP ZHE Extraction, 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 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 {P5291-08MS} with File ID: BF140912.D recoveries met the requirements for all compounds except for 1,4-Dioxane[34%], Hexachloroethane[122%] and Pentachlorophenol[140%], due to matrix interference, no corrective action is required.

The MSD {P5291-09MSD} with File ID: BF140913.D recoveries met the acceptable requirements except for 1,2,4,5-Tetrachlorobenzene[103%], 1,4-Dioxane[34%], 2,3,4,6-Tetrachlorophenol[124%], Hexachlorobenzene[129%], Hexachloroethane[134%], Nitrobenzene[114%] and Pentachlorophenol[160%], due to matrix interference no corrective action is required.

The RPD for {P5291-09MSD} with File ID: BF140913.D met criteria except for Benzaldehyde[21%], due to matrix interference no corrective action is required.

The Blank Spike for {PB165682BS} with File ID: BF140902.D met requirements for all samples except for 1,1-Biphenyl[103%], 2,2-oxybis(1-Chloropropane)[115%], 2-Methylphenol[111%], 3+4-Methylphenols[113%], 4-Bromophenyl-phenylether[108%], Acenaphthylene[118%], Acetophenone[105%], Anthracene[111%], Atrazine[134%], Benzo(a)anthracene[112%], Benzo(k)fluoranthene[124%], bis(2-Chloroethoxy)methane[113%], bis(2-Chloroethyl)ether[107%], bis(2-Ethylhexyl)phthalate[112%], Butylbenzylphthalate [123%], Dibenz(a,h)anthracene[124%], Dimethylphthalate[116%], Di-n-butylphthalate[109%], Indeno(1,2,3-cd)pyrene[127%], Isophorone[112%], N-Nitroso-di-n-propylamine[113%], N-Nitrosodiphenylamine[111%] and Pyrene[115%], The associate samples have no positive hit for these compounds therefore no corrective action was taken.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BF121624.M) for 2,4-Dinitrophenol, 4-Nitrophenol, these compounds are passing on Linear Regression and Hexachlorocyclopentadiene is passing on Quadratic regression

The Continuous Calibration File ID BF140961.D met the requirements except for 4-Nitrophenol, Benzo(g,h,i)perylene, Dibenz(a,h)anthracene, Hexachlorocyclopentadiene and Indeno(1,2,3-cd)pyrene, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

Samples MW2-20241213, MW3-20241213 were diluted due to high concentrations.

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 <15% 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 > 15% 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_____