

## **CASE NARRATIVE**

**PARSONS Main of New York, Inc.**

**Project Name: Con Edison Non-MGP - Atlantic Avenue**

**Project # N/A**

**Chemtech Project # P5270**

**Test Name: SVOCMS Group1**

### **A. Number of Samples and Date of Receipt:**

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

### **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 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 except for MW14-20241212DL2 [2,4,6-Tribromophenol - 32%, 2-Fluorobiphenyl - 44%, Nitrobenzene-d5 - 32%, Phenol-d6 - 6% and Terphenyl-d14 - 47%] , due to high concentration of compounds this sample require dilution therefore sample was reanalyzed with dilution and reported .

The Internal Standards Areas met the acceptable requirements except for MW12-20241212, MW14-20241212 and MW14-20241212, due to high concentration of compounds this sample require dilution therefore sample was reanalyzed with dilution and reported .

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike for {PB165623BS} with File ID: BF140876.D met requirements for all samples except for 1,2,4,5-Tetrachlorobenzene[102%], 2,2-oxybis(1-Chloropropane)[111%], 4-Bromophenyl-phenylether[104%], Atrazine[122%], bis(2-Chloroethyl)ether[108%], bis(2-Ethylhexyl)phthalate[111%], Butylbenzylphthalate [112%], Indeno(1,2,3-cd)pyrene[106%] and Isophorone[105%], marginally high therefore no further corrective action was taken.

The Blank Spike Duplicate for {PB165623BSD} with File ID: BF140877.D met requirements for all samples except for 1,1-Biphenyl[106%], 1,2,4,5-Tetrachlorobenzene[107%], 2,2-oxybis(1-Chloropropane)[105%], 4-Bromophenylphenylether[107%], Acenaphthylene[111%], Acetophenone[107%], Anthracene[113%], Atrazine[136%], Benzo(a)anthracene[110%], bis(2-Chloroethyl)ether[104%], bis(2-Ethylhexyl)phthalate[122%], Butylbenzylphthalate[113%], Dibenz(a,h)anthracene[125%], Dimethylphthalate[108%], Di-n-butylphthalate[109%], Indeno(1,2,3-cd)pyrene[128%], Isophorone[108%], N-Nitrosodiphenylamine[115%] and Pyrene[106%], marginally high therefore no further 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-BF112124.M) for Benzoic acid, Hexachlorocyclopentadiene, 2,4-Dinitrophenol, this compound is passing on Linear Regression.

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

The Continuous Calibration File ID BF140838.D met the requirements except for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol and 4-Nitrophenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken..

The Tuning criteria met requirements.

Samples MW12-20241212, MW12-20241212DL, MW14-20241212 and MW14-20241212DL 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\_\_\_\_\_