284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

# CASE NARRATIVE

**PARSONS Main of New York, Inc.**
**Project Name: Con Edison Non-MGP - Atlantic Avenue**
**Project # N/A**
**Chemtech Project # P5291**
**Test Name: VOCMS 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 VOCMS Group1.

**C. Analytical Techniques:**
The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group1 was based on method 8260D.

**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: VN085240.D recoveries met the requirements for all compounds except for Benzene[180%], Dichlorodifluoromethane[138%], Ethyl Benzene[140%], m/p-Xylenes[160%], o-Xylene[140%] and Toluene[125%] due to matrix interference.

The MSD {P5291-09MSD} with File ID: VN085241.D recoveries met the acceptable requirements except for 2-Hexanone[132%], Benzene[160%], Dichlorodifluoromethane[141%], Ethyl Benzene[140%], m/p-Xylenes[150%], Methylcyclohexane[124%], o-Xylene[140%] and Toluene[125%] due to matrix interference.

The RPD met criteria .

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The Blank Spike for {VN1217WBS02} with File ID: VN085222.D met requirements for all samples except for Bromomethane[126%], Dichlorodifluoromethane[137%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank Spike for {VN1218WBS01} with File ID: VN085255.D met requirements for all samples except for 2-Hexanone[120%] are failing high but no positive hit in associate sample 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 (82N112224W.M) for Methyl Acetate compound this compound is passing on Linear Regression.

The %RSD is greater than 20% in the Initial Calibration method (82D121824W.M) for Chloroethane this compound is passing on Linear Regression.

The Continuous Calibration File ID VN085218.D met the requirements except for 2-Hexanone,4-Methyl-2-Pentanone, Bromoform, Bromomethane, Dibromochloromethane, Dichlorodifluoromethane and Styrene are failing high and associate sample having hit of 4-Methyl-2-Pentanone but below CRQL therefore no corrective action taken.

The Tuning criteria met requirements.
Samples MW2-20241213, MW3-20241213, MW6-20241213 and MW6-20241213-A 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 <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_____