

## **CASE NARRATIVE**

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

**Project Name: Con Ed Non MGP – Atlantic Ave 453957.600024.05**

**Project # N/A**

**Order ID # Q2268**

**Test Name: VOCMS Group1**

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

10 Water samples were received on 06/06/2025.

### **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 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 {Q2268-04MS} with File ID: VN086992.D recoveries met the requirements for all compounds except for Ethyl Benzene[240%], m/p-Xylenes[180%] due to matrix interference.

The MSD {Q2268-05MSD} with File ID: VN086993.D recoveries met the acceptable requirements except for 1,2-Dibromoethane[124%], 1,2-Dichlorobenzene[120%], 1,3-Dichlorobenzene[123%], 1,4-Dichlorobenzene[122%], Benzene[240%], Chlorobenzene[121%], Chloroform[129%], Cyclohexane[123%], Ethyl Benzene[580%], Isopropylbenzene[176%], m/p-Xylenes[410%], Methyl tert-butyl Ether[138%], Methylcyclohexane[138%] and Toluene[126%] due to matrix interference.

The RPD for {Q2268-05MSD} with File ID: VN086993.D met criteria except for 1,1,2-Trichlorotrifluoroethane[21%], Benzene[67%], Bromomethane[31%], Cyclohexane[40%], Dichlorodifluoromethane[21%], Ethyl Benzene[83%], Isopropylbenzene[41%], m/p-Xylenes[78%], Methylcyclohexane[49%] and Toluene[21%] due to difference in MS and MSD concentrations.

The Blank Spike for {VN0612WBS01} with File ID: VN086970.D met requirements for all samples except for 1,1,1-Trichloroethane[109%], 1,1,2-Trichloroethane[114%], 1,2-Dibromoethane[111%], 1,2-Dichlorobenzene[110%], 1,2-Dichloropropane[112%], 1,4-Dichlorobenzene[110%], Bromoform[115%], Dibromochloromethane[112%] and t-1,3-Dichloropropene[111%] failing high but no positive hit in associated samples therefore no corrective action taken.

The Blank Spike for {VN0613WBS01} with File ID: VN087000.D met requirements for all samples except for 1,1-Dichloroethene[111%], Bromoform[114%], Carbon disulfide[117%] and o-Xylene[110%] failing high but no positive hit in associated samples therefore no corrective action taken

The Blank analysis did not indicate the presence of lab contamination.  
The Initial Calibration met the requirements .

The Continuous Calibration File ID VN086967.D met the requirements except for Bromoform . failing high but no positive hit in associated samples therefore no corrective action taken.

The Continuous Calibration File ID VN087017.D met the requirements except for Carbon Disulfide. failing high but no positive hit in associated samples therefore no corrective action taken.

The Tuning criteria met requirements.

Samples MW-2-20250605, MW-2-20250605-A, MW-6-20250605 and MW-3-20250605 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



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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\_\_\_\_\_