

CASE NARRATIVE

CDM Smith

Project Name: Con Ed UTEN Mount Vernon, NY

Project # N/A

Order ID # Q2075

Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:

6 Solid samples were received on 05/16/2025.

2 Water samples were received on 05/16/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOCMS Group3 and VOCMS Group3. This data package contains results for VOCMS Group3.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOCMS Group3 was based on method 8260-Low, 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 {Q2075-04MS} with File ID: VY022350.D recoveries met the requirements for all compounds except for m/p-Xylenes[148%], o-Xylene[162%] and 1,2,4-Trimethylbenzene[235%] due to matrix interference.

The MSD {Q2075-05MSD} with File ID: VY022351.D recoveries met the acceptable requirements except for Ethyl Benzene[136%], Toluene[138%] m/p-Xylenes[161%] and o-Xylene [180%] due to matrix interference.

The RPD for {Q2075-05MSD} with File ID: VY022351.D met criteria except for 1,2,4-Trimethylbenzene[36%], Benzene[30%], p-Isopropyltoluene[21%], tert-Butylbenzene[26%] and Toluene[29%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

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



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The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

Sample SS-MW1-11.5 was diluted due to high concentration.

E. Additional Comments:

Trip Blank was not provided with this set of samples.

The soil samples results are based on a dry weight basis.
The Sample #SS-MW1-11.5ME have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.
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.

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_____